

The
CHEMIST AND DRUGGIST
 for RETAILER - WHOLESALE - MANUFACTURER

Founded 1859

28 Essex Street, Strand, London, W.C.2.

Registered as a Newspaper

3495
 XLVII

FEBRUARY 1, 1947

Annual Subscription (with
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1180

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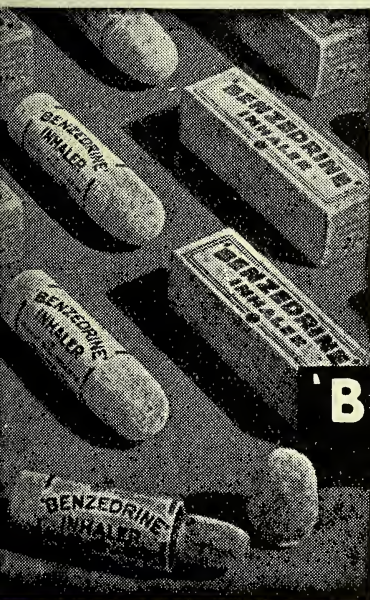
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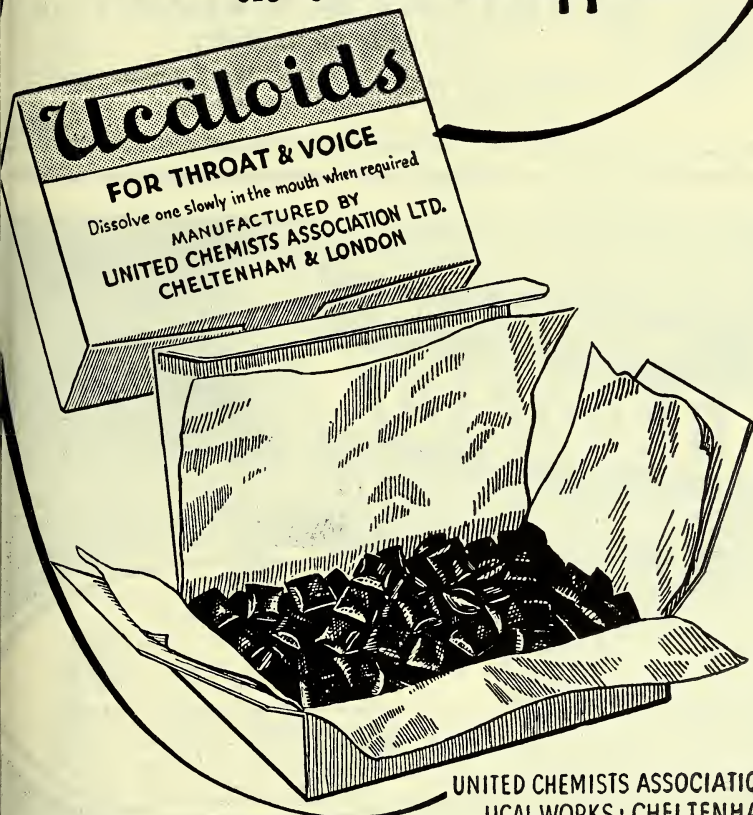


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MANUCOL will henceforth be sold in one grade only, with a viscosity of 30-60 centistokes in 1% solution. For the time being we shall refer to this product as MANUCOL II, to distinguish it from the MANUCOL I (viscosity 15-30 centistokes) which has hitherto been available.

*MANUCOL is the registered trade name of Albright & Wilson's sodium alginate



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Chemicals for Industry

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g Newspapers	Sunday Pictorial
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Worker	Christian World
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g News	

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Rugby ..	Advertiser
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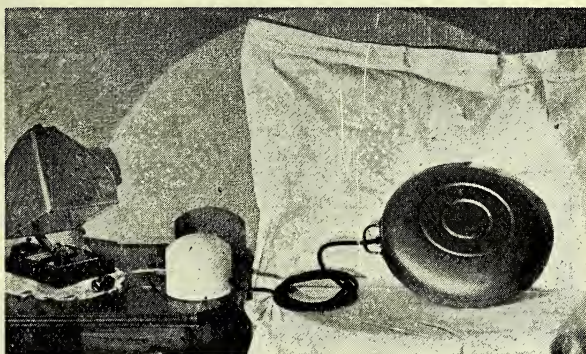
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(Midlothian Oat Food)

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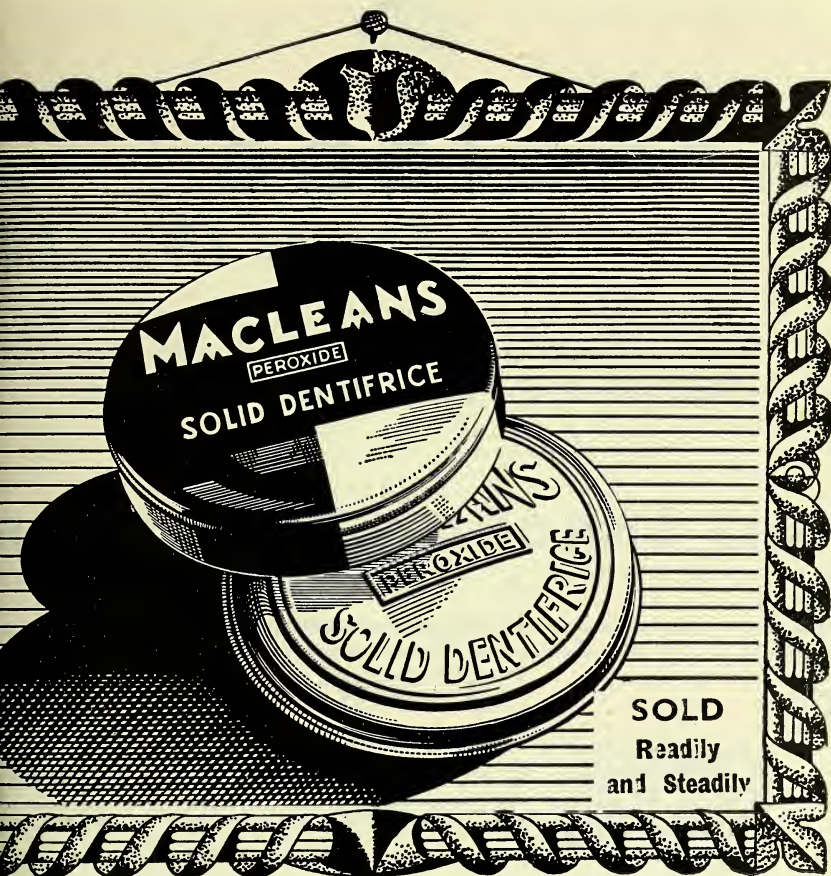
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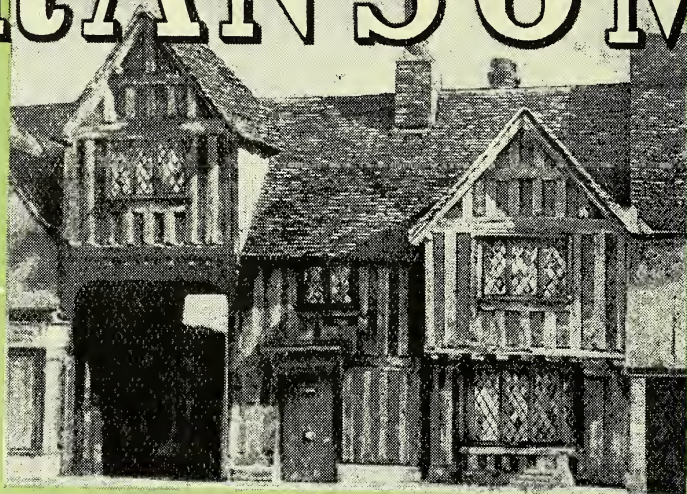
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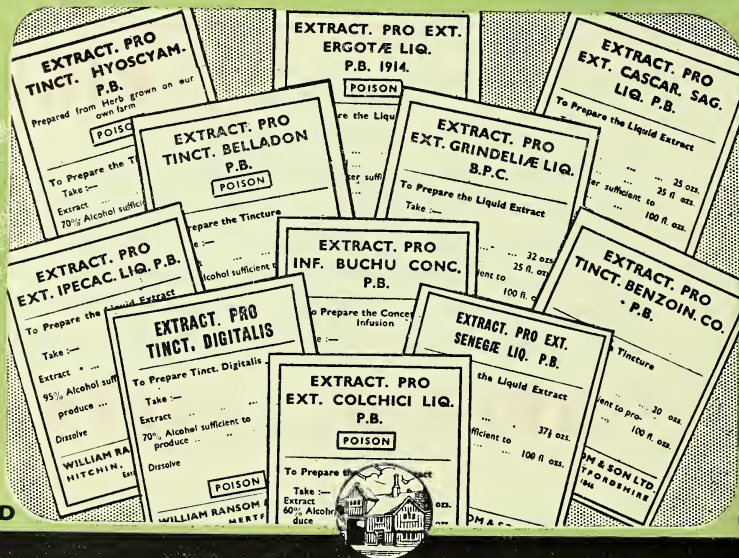


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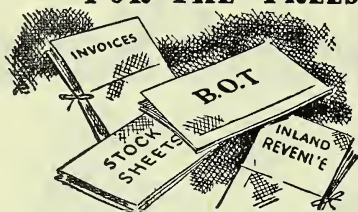
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Before use, wash with water and dry
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MODERN
EYE LOTION**

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Eye catcher!

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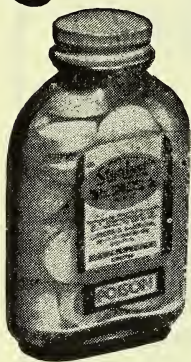
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We have thought it desirable to institute a new method of describing the various grades. A leaflet giving this information is being posted to all present and past buyers. Further copies will gladly be supplied on application.



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IF YOU'RE OUT OF ONE RECOMMEND THE OTHER



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As I have been a regular user of Curicones for a number of years with beneficial results and have hitherto been able to secure one of the larger packs periodically, about twice a year when my attacks have been recurring, I was surprised at this reply, when I see the actual advertisement of the large pack is still on the single bottle I received yesterday.

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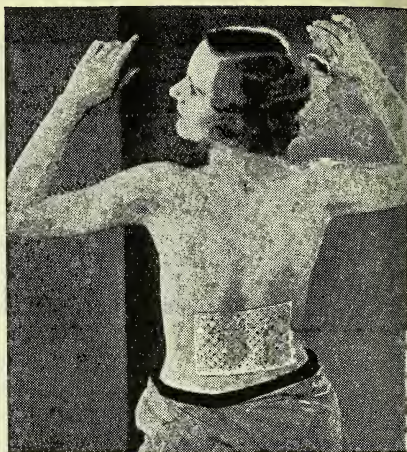
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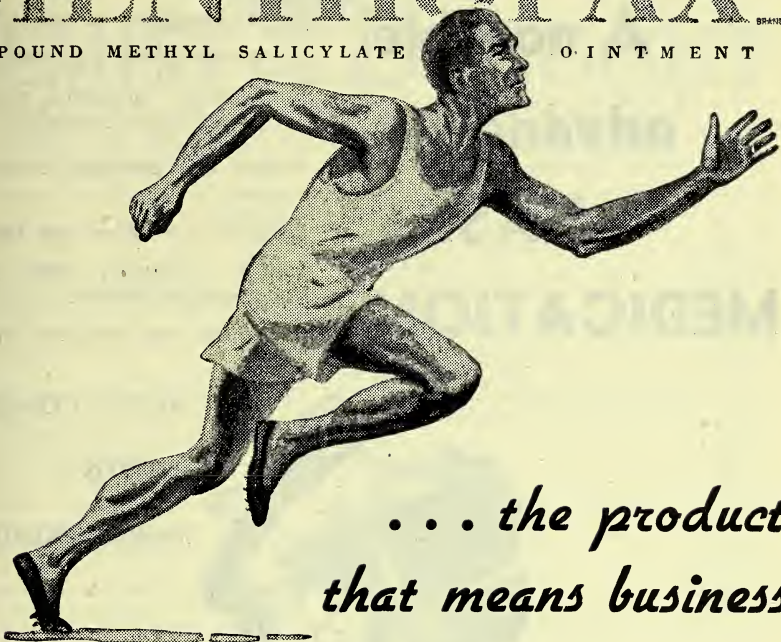
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Contains Methyl Salicylate, 50 per cent.; Menthol, 10 per cent.; eucalyptol 5 per cent.; white beeswax, 20 per cent.; and hydrous wool fat, 15 per cent.

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2-(naphthyl-1-methyl)-imidazoline
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For adults.

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NEWS OF THE WEEK

Doctors to Negotiate.—By 252 votes to 177, delegates at a special representative meeting of the British Medical Association on January 28 decided to enter into discussions with the Minister of Health on terms for entering the National Health Service. It was provided that the discussions are comprehensive in their scope and that the possibility that they may lead to further negotiations is not excluded.

Soap Rationing.—Coupons available during ration period No. 8 are the two eighth pairs of small squares numbered K 29/30 and 31/32 on the large square No. 8. In ration books R.B.1 and R.B.4 coupon numbered 29/30 is worth one eighth and the coupon numbered 31/32 is worth two eighths. The two whole coupons in ration book R.B.2 are each worth one eighth of a pound of soap.

Information about Atomic Apparatus.—The Minister of Supply has freed from restrictions imposed by the Atomic Energy Act, 1946, information about scientific apparatus used for certain purposes in nuclear reactions. A complete list of the

apparatus so freed is given in a schedule to the Atomic Energy (Disclosure of Information) (No. 1) Order, 1947 (S.R. & O., 1947, No. 100) obtainable from H.M. Stationery Office, price one penny.

Conference on International Exhibition.

—A conference organised by the Royal Society of Arts is to be held in London on February 6 to consider the possibility of holding an international exhibition to mark the centenary of the International Exhibition of 1851, which was promoted on the initiative of the Royal Society of Arts. Organisations wishing to be represented at the conference should apply to the Society at John Adam Street, Adelphi, London, W.C.2.

Factory Sports Officers.—A course for factory sports officers, designed to give an insight into up-to-date methods of organising physical recreation in factories and to stimulate interest in games and sports generally, is to be held at the national recreation centre of the Central Council of Physical Recreation, Bisham Abbey, Berkshire, March 22-29. Such courses are in-

tended to enable even the smallest firms to plan co-ordinated welfare schemes. Industrial firms willing to release suitable men for the course, the inclusive fee for which is £5, should apply to the organising secretary, 6 Bedford Square, London, W.C.1.

North British Executive.—A meeting of the Executive of the North British Branch of the Pharmaceutical Society was held in Edinburgh on January 15, Mr. Alexander Murray in the chair. The meeting had been called to consider private reports from the Nomination of Examiners and General Purposes Committees. The chairman referred to the deaths of Dr. J. J. Blackie, Messrs. G. H. C. Rowland, J. H. Plenderleith, McConnell and McMinn. A list of names selected by the Nomination Committee as additional examiners was approved for transmission to the Council. The interim report of the Education Committee (London) was considered. After a statement by Mr. A. A. Meldrum, it was decided to remit the matter to the Education Committee of the Executive.

Warning about Streptomycin.—The Minister of Health has included a warning about the potential dangers of streptomycin in a statement recently issued on the present position of the drug. The statement refers to appeals for supplies of streptomycin for the treatment of patients who are dangerously ill, but points out that, until clinical trials being carried out by the Medical Research Council are completed, it will not be possible to assess the drug's value or to determine the best methods of its use. The latest American opinion indicates that its value in tuberculosis is still unproved. "While the Minister of Health does not wish to hamper individual doctors and hospitals in their endeavours to obtain any new drugs which they consider may benefit their patients," the statement continues, "it must be emphasised that streptomycin is potentially dangerous and may cause serious ill effects in the patient, including permanent giddiness and deafness; and that insufficient is known about this drug at present to justify action by the Government to make it more freely available. In the very small number of patients with tuberculous meningitis whose life has been prolonged by the treatment, there has nearly always been permanent serious mental derangement, blindness, or deafness." Steps are being taken, the statement adds, to accelerate production in this country so that supplies may be available if the clinical trials prove favourable.

LOCAL NEWS

East Kent Dance.—More than nine members and their friends attended, Canterbury recently, the first dance of a social evening to be organised by the Kent Branch of the Pharmaceutical Society.

Glasgow Prize Fund.—The committee of the Glasgow and South-western Scottish Branch of the Pharmaceutical Society issued an appeal for £1,000 to establish a fund for providing awards to students of the School of Pharmacy, Royal Technical College, Glasgow.

Southend Lecture on Allergy.—At a recent meeting of the Southend Branch of the Pharmaceutical Society, Mr. Charles Beavan (Parke, Davis & Co.), speaking "The Riddle of Allergy," discussed the history, causes and diagnosis of allergic toxicity. A vote of thanks to the speaker was proposed by Mr. O. T. French.

Tunbridge Wells Dance.—More than eighty members and their friends attended a recent dance and social evening organised by the Tunbridge Wells Pharmaceutical Association. Among the prizewinners were Mr. and Mrs. Legg, Mr. and Mrs. T. Mrs. Chapman, the Misses Hodges, Blackwood, and Messrs. Tree, Grant, and Risby. The arrangements were made by Miss M. Wallis (president), Mr. A. G. (secretary and treasurer) and Messrs. Blackwood, Davidson, Gardiner and Warren.

N.H.S. Discussed at Brighton.—At a recent meeting of the Brighton and Hove Association of Pharmacy and the Brighton Branch of the Pharmaceutical Society, D. W. Hudson (president) in the chair, Mr. H. Noble (deputy secretary, National Pharmaceutical Union) spoke on "The Road Ahead: Up or Down?" After dealing with the negotiations which had taken place on the National Health Service, Mr. Noble said the new service would provide some pharmacists with the chance to put their businesses on a more professional basis. If retail pharmacies gave a satisfactory service, the expense of a health centre dispensaries would be unnecessary and unjustifiable. Chemists should keep their representatives and officials more fully acquainted with the difficulties and problems. Answering a question from Mr. S. Padwick, Mr. Noble said the twenty-four hour service would be a matter for local arrangement. Asked if a National Formulary would be used by the National Health Service, the speaker

the matter was under consideration, the answer would probably be 'Yes,' as the doctors wanted one. In Scotland there would not be a special formula. Mr. Edgar Jones said it was time something was heard about the remuneration chemists were to receive and suggested it might be worth considering whether the dispensing fee could not be allied with the official index of Cost of Living, and the N.C. scale. To do so might render frequent agitations for an increased fee unnecessary. Mr. Jones also asked if the N.J. could not devise a method of ensuring an accurate dispensing service without the present sampling and testing scheme which chemists detested. Comparatively innocuous chemicals were usually dealt with because they were easy to pay. Mr. Noble agreed that the present scheme gave undue emphasis to unimportant details and invited suggestions for an improved scheme. A vote of thanks to Mr. Noble was moved by Mr. Edgar Jones and seconded by Mr. Cecil Brumwell.

IRISH NEWS

Sibbreen Opening Hours.—Following a visit from Mr. B. R. Smith (organising secretary, Irish Drug Association), Skibbreen chemists have agreed to the following opening hours: Mondays to Fridays, 9 a.m. to 5 p.m.; Saturdays, 9 a.m. to 9 p.m.; Sundays and public holidays, 11 a.m. to 1 p.m.

erry Dance.—The annual dance of the Druggists' Associates' Section of the Ulster Chemists' Association was held in London-dey on January 17. The arrangements were made by a committee consisting of Mr. A. Burns (chairman) Messrs. W. Hilton, W. J. Taylor and F. Murphy,

with the assistance of Messrs. J. Mann, A. Williamson, M. Hill and J. Meegan. Mr. J. D. McCafferty and Mr. Frank Murphy acted as masters of ceremonies.

Welcome to Professor.—Mr. W. Gorman (secretary) represented the Pharmaceutical Society of Northern Ireland at a ceremony to welcome Professor F. Bell, Ph.D., D.Sc., who has recently been appointed head of the chemistry department, Belfast College of Technology, in succession to Professor H. Wren. Mr. L. Arndell, B.Sc. (Ministry of Education), was also present. Professor Bell has previously held similar appointments in England.

Ulster Associates.—Mrs. E. H. Barr, Ph.C., presided at the monthly committee meeting of the Associates' Section of the Ulster Chemists' Association held in Belfast on January 16. The following were approved for associateship:—Pharmaceutical chemists: Messrs. S. Stevenson, J. J. McCaughey and A. A. Alcorn; assistants: Messrs. Norman Robinson, James Neill, L. P. O'Hare, B. J. McGivern and W. Stewart; apprentices: Messrs. J. Deehan, D. F. Fox, W. J. Gracey, Corporal J. Kerr and Mr. P. MacRory. Mrs. Barr reported that, with Mr. H. W. Gamble, Ph.C., and Mr. E. G. Mackle, she had attended the inaugural meeting of the mid-Ulster group held in Portadown on January 14 at which the following officers had been elected: *Chairman*, Mr. G. L. Andrews, Ph.C., Portadown; *Vice-chairman*, Mr. A. A. Alcorn, Ph.C., Portadown; *Secretary*, Mr. J. Speers, Portadown; *Treasurer*, Mr. W. J. Stevenson, Armagh; *Committee*, Messrs. B. Gaffney and R. D. Duke, Ph.C., Lurgan; G. Williamson, Ph.C., and G. McDonagh, Ph.C., Dungannon; and R. Robinson, Tanderagee.



S CONFERENCE LUNCHEON.—Guests at luncheon during a recent three-day sales conference held in London by S. Maw, Son & Sons, Ltd. The conference, the second to be held by the company since the war, was called to discuss sales plans for 1947. Mr. V. S. Porter (sales director) was in the chair, and more than fifty managers and representatives attended. Messrs. A. T. Maw (chairman) and A. F. Porter (managing director) were present at the luncheon.

COMPANY NEWS

H. E. SPURR, LTD. (P.C.).—Capital £2,000. To carry on the business of chemists, druggists, photographic dealers, etc. First directors are to be appointed. R.O.: 12 Folly Hall, Huddersfield.

TRIBUTE (ENGLAND), LTD. (P.C.).—Capital £1,000. To carry on the business of wholesale and retail chemists and druggists, etc. John H. Jolliffe, director. R.O.: Brook House, Old Mill Street, Blackburn.

W. E. PRESCOTT, LTD. (P.C.).—Capital £4,000. To carry on the business of chemists, druggists, opticians, etc. Wilfrid E. P. Prescott and Arthur L. Marchanton, directors. R.O.: 26 London Street, Southampton.

J. K. HARRISON, LTD. (P.C.).—Capital £1,000. To carry on the business of chemists, druggists, etc. First directors are to be appointed. R.O.: 1 Quinton Parade, Daventry Road, Coventry.

W. WOOD WILSON, LTD. (P.C.).—Capital £4,000. To carry on the business of chemists and druggists. William Wood Wilson and Jean F. Heron, directors. R.O.: 147 Great Western Road, Glasgow, W.

KING & KING (CHEMISTS), LTD. (P.C.).—Capital £30,000. To carry on the business of wholesale and retail chemists, etc. Percy S. King and Patricia M. King, directors. R.O.: 37 College Green, Bristol, 1.

ERNEST I. LEE (PHARMACEUTICALS), LTD. (P.C.).—Capital £500. To carry on the business of manufacturers, wholesalers of chemicals, drugs, etc. Ernest I. Lee, director. R.O.: 39 High Street, Manchester 4.

VINEGRAD (CHEMISTS), LTD. (P.C.).—Capital £2,000. To carry on the business of pharmaceutical, manufacturing and general chemists, etc. Gustav Vinegrad, M.P.S., and Mrs. Ester Vinegrad, directors. R.O.: 394 Holderness Road, Hull.

L. HAYWARD, LTD. (P.C.).—Capital £1,000. To carry on the business of wholesale and retail chemists and druggists, etc. Leonard Hayward and Percy G. Viall, directors. R.O.: 5 Boscastle Road, London, N.W.5.

ARTHUR FLAMANK, LTD. (P.C.).—Capital £1,500. To acquire the business of a chemist and druggist carried on by Olive A. Flamank at Shalford, Surrey. Olive A. Flamank and Joyce Horth, directors. R.O.: The Pharmacy, Shalford, Surrey.

HARCOURT CHEMICAL Co., LTD. (P.C.).—Capital £2,000. To carry on the business

of manufacturers of and dealers in chemicals, detergents, antiseptics, toilet requisites, etc. William J. Toomey and Daniel Toomey, directors. R.O.: 2A Shaftesbury Parade, Harrow.

PALATINE PERFUMERY Co., LTD. (P.C.).—Capital £1,000. To carry on the business of manufacturers of and dealers in perfumery, shampoos, soaps, toilet preparations, etc. Margaret A. Burrell and May Collins, directors. R.O.: 22 Birley Street, Blackpool.

THE NORTH BRITISH RUBBER Co., LTD. The company announce that an agreement has now been concluded with the United States Rubber Co., U.S.A. Terms of agreement provide that the North British Rubber Co. will manufacture goods for the United States Rubber Co.'s British subsidiary, the Dominion Rubber Co., Ltd., for re-sale in Great Britain and for export from Great Britain. Arrangements have been made for a substantial and increasing participation by the United States Rubber Co. in the North British Rubber Co.'s ordinary stock. Under the agreement close co-operation will exist between the two companies in Great Britain. The British concern is entitled to full technical assistance and participation in the benefits of the American company's research and development programme.

JOSEPH NATHAN & Co., LTD.—Net profit for the year ended September 30, 1945, amounted to £97,298 (1944, £87,000). Amount brought in from last year's accounts was £68,572, which, after deducting £7,964 in respect of 10 per cent. dividend free of tax, on the ordinary stock, gives a sum total in appropriation account of £157,906. Against this is charged dividend on 7 per cent. "A" preference (£35,000) and dividend, paid or accrued on 8 per cent. preferred ordinary (£16,000), leaving in the appropriation account a balance of £106,906. Dividend due on January 1, on 7 per cent. preference stock has been paid (£17,000) and a dividend of 10 per cent., free of tax, is recommended on ordinary stock (£7,000) leaving a carry forward of £25,463. The statement by the chairman, read at the annual general meeting on January 19, 1946, emphasizes was laid on the "very rapid development" of the company's export business and sales in overseas markets during the year were reported as having increased more than three times the sales in 1939.

TOPICAL REFLECTIONS

Advice and Warning

It happens that two successive news paragraphs in your January 25 issue (p. 1) were concerned with economics. The first of these contained a summary of a memorandum submitted by the Federation of British Industries to the Chancellor of the Exchequer. It makes recommendations for taxation on lines similar to those put forward recently by the National Union of Manufacturers and the Association of British Chambers of Commerce, referred to in this section five weeks ago. Proposals of this nature for reduction of taxation, and for "a special inquiry" into national expenditure, are so generally accepted as axioms that I need not comment in detail on the F.B.I. memorandum. The other paragraph to which I refer, reporting the issue of a White Paper headed "Statement on Economic Considerations affecting Relations between Employers and Workers," calls for a more extended examination. Before commending its main thesis, the necessity of increased production, I may perhaps be allowed to record my regret that it is not been more carefully phrased. In my effort, I infer, to make this pronouncement readable by the man in the street, the Government, "in full association with both of the National Joint Advisory Councils and with their endorsement," has too readily adopted the language of the platform and has lapsed into colloquial phrases which are sometimes as irritating as they are unnecessary. Examples are: "Necessaries of life" (i.e., necessities of life); "over-production" (not a shortage of overalls); "man up." The White Paper might have been considerably shorter, with a gain in effectiveness, and a return during the war emergency to a drive for the use of proper English in official documents instituted by the war-time Prime Minister might be considered.

Call for Increased Production

Not too soon has the Government decided to warn the country that "the position of Great Britain is extremely serious." The principal factors of the situation are well known—shortage of man power, rapid reduction of the American and Canadian supplies, rising cost of labour. In addition, the independent estimate of the "target" required for a satisfactory export trade is set higher than the official 75 per cent above the pre-war level. It appears that for the past year the gap between

the values of exports and imports was £328 millions, and that Government subsidies towards stabilising internal prices will amount to nearly £400 millions for the present financial year. Every experienced industrialist can realise at a glance what such figures mean. But most workers in industry are not given to estimating the significance of figures; and one can only hope that the form of the new White Paper will appeal to them. The plain truth is that an emergency of this nature comes home, in various degrees and at various times, to every citizen. A century or so ago Carlyle was exhorting his contemporaries to "Produce! Produce!" His satire at the expense of idlers is still worth reading; in 1947 he might have had something to say on the "Why should I worry?" attitude. For unless all of us, to the best of our power, do what we can to help, a grave crisis may develop.

A Humourless Crowd?

Your correspondent "D. J." makes a spirited protest (p. 125) against the generalisation that chemists are "a humourless crowd." He deserves our thanks. If it were true that chemists are, as a class, devoid or deficient in a sense of humour, they would not fairly represent the nation (or the blend of four nations to which they belong). A look through a few volumes of *THE CHEMIST AND DRUGGIST* should suffice to enable one to refute any such suggestion as that of your correspondent's unnamed "knight." Contributions to your columns have during many years included the cartoons of Fred Reynolds; occasional verses as topical and as pointed as most of those appearing in contemporary journals; and once in a while a prose narrative effectively exposing some absurdity. We may look round again. Let us think of the chemists we have known: have there not been among them people whose humour was spontaneous and not easily repressible? I can recall one Victorian chemist who entertained his locality with comic lectures; and other instances might be given. Humour in a shop is a faculty to be used with discretion: many of us can remember pharmacists endowed with that too. For the present, British chemists share the preoccupation of their fellow-countrymen with the matter mentioned in my two preceding paragraphs; but a happy issue out of this trouble will bring back their natural resilience.

Xrayser

THE WEEK IN PARLIAMENT

By a Member of the Press Gallery, House of Commons

WHEN the House of Commons reassembled on January 21, the Chancellor of the Exchequer was asked by Mr. C. OSBORNE whether, since every wage and price increase was to the detriment of the wage-earner who supported the National Savings movement, he would investigate the possibility of prohibiting any further increases in wages and dividends for a period of two years, and institute an official campaign for lower prices. Mr. DALTON replied: No. the suggestion is not practicable.

Household Soap

CAPTAIN JOHN CROWDER asked the Minister of Food if he was aware that supplies of household soap and soap flakes were becoming increasingly difficult to obtain, and what steps he was taking to increase supplies.

Mr. JOHN STRACHEY: It is exceedingly difficult, under conditions of shortage, to ensure that all the different kinds of soap are available in the desired proportions everywhere, but in order to ensure that the present ration is met we have increased the fats allocation to manufacturers by 5 per cent.

CAPTAIN CROWDER further asked whether the Minister would examine whether there was a disproportion between household and toilet soaps, and this Mr. Strachey promised to do.

DDT Prices

Mr. JOHN LEWIS asked the President of the Board of Trade on January 23 if he was aware that the lowest price for full-strength DDT in 10-ton lots was 3s. 3d. per lb. in this country, against 2s. 10d. per lb. in the United States, and what were the reasons for the difference?

Sir STAFFORD CRIPPS: I am aware that the price of DDT is higher in this country than in the U.S., but comparative information on raw material and other production costs and on royalty payments is not available.

Asked by Mr. Lewis what steps he was taking to alter the policy of his Department, which had resulted in the formation of a cartel among the manufacturers of DDT, the Minister replied: I am aware that the producers of DDT in this country sell at a common price, but not as the result of the policy of my Department. DDT is in

free supply, and is not subject to statutory control.

Mr. LEWIS: Is it not a fact that manufacturers have agreed among themselves not to supply full-strength DDT for export purposes, whereas the Americans are supplying it, and is the Minister quite sure that there is not some restrictive practice? Sir Stafford replied that the question dealt with exports.

To Mr. FRANK BYERS, who asked whether the Government intended to do anything at all about price-fixing arrangements which held the public up to ransom, said: Where there is evidence of any such arrangements, we take action.

Mr. LEWIS then asked the President of the Board of Trade if he was aware of the export of full-strength DDT was prohibited from this country by a manufacturers' cartel, except to restricted markets in the Empire, where it had to meet lower-priced American competition; and he would have an immediate inquiry made into the position, with a view to assisting the British export market?

Sir STAFFORD CRIPPS: I am not aware of any prohibitions on exports of DDT from this country, but I am advised that there are, in the United Kingdom and other countries, patent rights relating to the preparation and use of DDT in certain forms as an insecticide. The conditions on which licences under patents are granted are a matter for negotiations between patentees and the applicants for licences.

Mr. LEWIS: Would the Minister be aware of any particular price-fixing arrangements that might be in evidence? Is it his practice to inquire into various cartels exactly what their arrangements are? The reply was: No—unless something is drawn to my attention is not my practice to make general inquiries.

Belts for Cancer Patients

Sir ERNEST GRAHAM-LITTLE asked the President of the Board of Trade if he was aware that there were many patients who had undergone an operation on an alimentary canal for cancer, and who required special belts which they were unable to obtain, owing to the inability of the makers to obtain the necessary yarn. Sir STAFFORD CRIPPS replied that he was investigating the matter and would communicate with Sir Ernest.

Bottle Shortage

When SIR STAFFORD CRIPPS was questioned on January 23 about the shortage of bottles, MR. WILLIAM SHEPHERD suggested he should try to force the Minister of Food to issue cod liver oil and orange juice only if a bottle were returned. At present 4,000 gross of bottles are wasted each week because of the refusal of the Minister of Food to implement that condition. SIR STAFFORD CRIPPS: I will draw the attention of the Minister of Food to this matter.

"Pilot" Census of Production

That the Board of Trade is willing to extend until the end of March the period allowed for completion of the "pilot" census of production now being taken emerged from a speech by MR. J. W. BAKER (Parliamentary Secretary to the Board of Trade) when he wound up the Commons debate on the Statistics of Trade Bill on January 23. The Bill had been introduced by SIR STAFFORD CRIPPS, who spoke on the census of distribution, stating that there was no need to fear it. The distributive trades were not to be nationalised; there was no "deep and dark plot" to nationalise retail trade. But information was needed to make good a big gap in industrial knowledge.

MR PATRICK HANNON interposed to point out that some sections of industry were getting questionnaires of twenty-six foolscap pages, and asked whether even more queries would be sent under the census of production. SIR STAFFORD replied that in many cases the number of questions asked under the census would be fewer than those now being asked.

"We want more production and we believe this will help industry to get more."

MR. DAVID ECCLES, for the Opposition, declared that the Government was prepared to control and nationalise without warning in advance the probable effects of putting socialism into practice. Industry had good ground for believing that the Government wanted to put them a whole series of questions for the express purpose of finding a pretext for extending control. The speaker agreed that a first-rate statistical service was needed, but he asked if the Government was prepared to consult industry on the interpretation of the figures as well as on their collection? Was an annual census of production justified when industrial clerical staffs were "up to their eyes" filling up P.A.Y.E. and other forms? The Bill was given a second reading.

Industrial Fuel

Conservative M.P.'s "prayed" for the annulment of the Electricity and Gas (Reduction of Consumption) Order on January 23. Sir John Mellor maintained that the Order would penalise undertakings which were most economical in the basic period.

MR. HUGH GAITSKELL (Parliamentary Secretary to the Ministry of Fuel and Power) said the Government had come to the conclusion that voluntary appeals would not do what was required, and in this view it was backed up by the National Production Advisory Council. The prayer was defeated by 263 votes to 79.

LIAISON COMMITTEE

THE Ministry of Health has issued the following statement:—

A further meeting of the Pharmaceutical Liaison Committee took place on December 12, 1946, when additional representatives from other Ministries attended to assist discussion on certain items of the agenda. THE CHAIRMAN (Sir Weldon Dalrymple-Champneys) explained that the future of existing pharmaceutical committees in relation to the advisory machinery to be established under the National Health Service Act, 1946, would require consideration in conjunction with the Central Health Services Council. A discussion on this matter took place.

A resolution from the Council of the Pharmaceutical Society, recommending that the 1942 Quinine Orders should be amended to permit the using up of stocks of quinine salts and tablets lying idle in retail shops and in hospitals, was discussed. It was agreed that further consideration should be given to this matter and that it should be examined again at the next meeting. Under the heading "shortages," the difficulty experienced by retail, hospital and wholesale pharmacists in obtaining and maintaining supplies of certain drugs, dressings, and surgical and medical equipment was discussed. The causes of the shortages of each item were examined. In one or two instances it was agreed the matter might usefully be investigated further by the responsible Department, notably concerning transport delays due to rail embargoes.

Whether a pharmacist should be head of each pricing bureau was the last subject for discussion. THE CHAIRMAN said that any information which the pharmaceutical organisations wished to submit on this subject would be carefully considered.

DAMAGES FOR INJURY FROM LOTION

HOLDING that a mistake had been made in the dispensing of a carbolic acid lotion, Judge Connolly, in the Dublin circuit court on January 27, awarded Marie Byrne, an eighteen-year-old maidservant, £50 damages, with costs and medical expenses, in an action brought against Miss Kathleen O'Shea, M.P.S.I., Mount Merrion Pharmacy, Stillorgan Road, Dublin. The case for the maidservant was that, in February 1946, her mistress ordered by telephone a bottle of a 1-40 carbolic acid lotion, made up according to a doctor's prescription which the mistress had previously had made up at Miss O'Shea's pharmacy. The lotion supplied on the occasion complained of was alleged to be, not a 1-40 but a 1-4 or 28½ per cent. lotion, which caused extensive burns when used on the maid's head. The mistress and a doctor, in evidence, stated that the lotion burned their hands.

Miss Kathleen O'Shea stated she qualified as a pharmaceutical chemist in 1932. In July 1943 she received a medical prescription from the maid's employer for a 16-oz. bottle of a 1-40 carbolic acid lotion, which was made up by herself. When a telephone request was received at her pharmacy on February 25, 1946, for a bottle of the lotion supplied, it was made up by her qualified assistant, Miss Bridget O'Keefe. She herself was not present in the pharmacy at the time. The next morning she received a telephone message from the doctor, saying that the lady's maid had been burned by the lotion. When the doctor (Dr. MacMahon) suggested that "pure carbolic lotion" had been supplied she declared she had not 16 oz. in stock. After checking up, she informed the doctor that the lotion had been correctly made up but that 16 oz. was too much to use on the girl's head. A week later when she visited the house she found the maid at work. She had a white cap on her head. Ten days later, when she again called at the house, she was shown burns on the girl's neck and on the side of her face. She would regard a 1-40 solution of carbolic lotion as safe for use on the scalp except on a person having an idiosyncrasy to carbolic acid.

A skin specialist, called as witness, stated that on January 13, in the presence of Dr. MacMahon and another medical man, he examined the maid, whose scalp appeared normal except for a little dandruff. On the back of the neck he found a scar the size of a shilling and a smaller scar. On the face

there were some red spots or broken blood vessels, some of which he understood were there before the accident. He could not associate any of the marks he saw with burning by the agent mentioned. On cross-examination he agreed that a 1-4 solution would cause great inflammation. He himself had prescribed a 1-40 solution for years, but, where it was used on the scalp, always advised his patients to cover the face, eyes and neck so that the solution would not get near them.

Miss B. O'Keefe, the qualified assistant who had made up the lotion, said she looked up the prescription book when the order was received and found it was a 1-40 carbolic acid solution. She measured 192 drops into the 16 oz. bottle and then filled it with water. She could give no explanation why the girl, her employer or the doctor were all burned by the lotion. Giving evidence, the judge said he was satisfied that a mistake had been made in compounding the lotion. On the evidence of Dr. MacMahon and the analyst, he was satisfied that the lotion supplied was stronger than the 1-40 set out in the original prescription. The injuries caused were serious, as the girl was working only a short time afterwards. In the circumstances awarded £50 damages.

FIFTY YEARS AGO

New Drugs at Mincing Lane

(From the *C. & D.*, January 30, 1899)
THE fates recently took me, on a certain day at the end of the old year, into some of the showrooms of the best known drug-brokers in the city. Though the faces of the proprietors of these rooms were unknown to me, and their ways as mysterious as the masonry to the uninitiated, I soon found myself at home amongst old friends in the samples exhibited on the counters, though my acquaintance with most of them had not been made in the city, I was reminded by seeing some of them here on this occasion that they had come into use since my last visit, thus proving that new drugs as well as other products are not by any means scarce, and that there are probably many more yet awaiting discovery or development. Of such that come within the range of the period I refer to, may be mentioned the bark of *Rhamnus Purshiana*, better known as cascara sagrada; guarana, prepared from the seeds of the Brazilian *Paullinia sorbilis*, and the loofah.

BIRTH

FULLAM.—At Naas, co. Kildare, Eire, recently, the wife of Mr. Peter Fullam, M.P.S.I., of a son.

MARRIAGE

MARSH—CROSSE.—At the Congregational Church, Claremont, Cape Province, South Africa, on December 21, 1946, Robert Edward Marsh, a director of May, Roberts & Co., Ltd., London, N.16) to Tessa Olive Crosse, Newlands, Capetown, South Africa, elder daughter of Mr. A. J. North (managing director of A. J. North & Co. Ltd., Capetown, manufacturers' agents and distributors).

DEATHS

BULL.—Recently, Mr. William Robert Vacham Bull, 77 Rhosddu Road, Wrexham, Denbigh. Mr. Bull qualified in 1897.

BURNS.—On January 12, Mr. Cyril Thomas Burns, Norwich, aged forty-seven. Mr. Burns, who qualified as a chemist and druggist in 1921, was in the employ of Cover & Son, Duke Street, Norwich.

GREAVES.—On January 20, Mr. Sydney Peter Greaves, M.P.S., 17c De La Warr Road, Bexhill-on-Sea, Sussex, aged sixty-nine. Until his retirement, owing to ill-health, in February 1946, Mr. Greaves was managing director of A. Greaves & Son, Ltd., 35 Market Place, Chesterfield. He qualified in 1900 and joined his father, the late Mr. Walter Greaves, M.P.S., in the old-established business that was the subject of an article in *THE CHEMIST AND DRUGGIST* (6.1.605). Until his retirement, Mr. Greaves was secretary of the Chesterfield Branch of the Pharmaceutical Society and of the local Pharmaceutical Association.

HOLLINGWORTH.—On January 13, Mr. Joseph Henry Hollingworth, M.P.S., 31 Lionshire Road, Claughton, Birkenhead, aged seventy-two.

LANG.—On January 4, Mr. William Lang, M.P.S., 14 Schoolwyn, Kilbirnie, Fife, aged sixty. Mr. Lang was in the employ of the Kilbirnie Co-operative Society, Ltd.

LEE.—On January 17, Mr. William Henry Lee, M.P.S., 54 Blackwell Avenue, Bournemouth, Dorset. Mr. Lee qualified in 1898. He was formerly with Sharpe & James, Ltd., Hoddesdon, Herts.

NEW.—During the D-day landings in France in 1944 (death recently notified),

Mr. Ronald George New, M.P.S., 7 Brice Street, Dukinfield, Cheshire. Mr. New qualified in 1936.

PATTISON.—At 88 Carmunnock Road, Glasgow, S.4, suddenly, on January 15, Mr. William Pattison, 181 Albert Drive, Pollokshields, Glasgow. Mr. Pattison qualified as a chemist and druggist in 1913.

ROSE.—At Jarrow, recently, Mr. James Dudfield Rose, M.P.S., 18 Ormonde Street, Jarrow-on-Tyne, aged seventy-seven. Mr. Rose, who qualified in 1892, was for many years in business in Jarrow, succeeding his father. A member of the town council for thirty-seven years, he was subsequently raised to the aldermanic bench, and in 1935 he was presented with the freedom of the town. For five years he was chairman of the local education committee and in 1905 was appointed a justice of the peace. His only son, Dr. J. Dudfield Rose, who survives him, is house surgeon at the Newcastle-on-Tyne Infirmary.

SCHOFIELD.—On January 11, Mr. Harry Schofield, M.P.S., formerly of 10 Ormont Avenue, Cleveleys, Blackpool. Mr. Schofield qualified in 1896.

STONE.—On December 10, 1946, Mr. Ernest Sidney Stone, M.P.S., 11 Scotsdale Close, Cheam, Surrey, formerly of 2 Station Road, Verwood, Wimborne, Dorset, aged seventy-six.

TURNER.—On January 12, Mr. Dennis William Turner, 24 The Square, Holsworthy, Exeter, aged seventy-one. Mr. Turner qualified as a chemist and druggist in 1902.

VAN DER WIELEN.—On January 7, Mr. Pieter Van der Wielen, formerly Professor of Pharmacy at the University of Amsterdam, Holland, aged seventy-four. Professor Van der Wielen was a Knight of the (Dutch) Order of the Lion and of the (Belgian) Order of the Crown. In 1914 he was elected a Corresponding Member of the Pharmaceutical Society of Great Britain.

WHITE.—On January 2, Mr. Arthur Norman White, M.P.S., 23 The Cliffs, Morecambe and Heysham, Lancs (managing director of William White & Son, Ltd., 61 Sunbridge Road, Bradford). Mr. White qualified in 1917.

WRIGHT.—At Monte Carlo, Monaco, on January 20, Mr. Edward Wright, formerly of Peterborough and, for many years, until his retirement, in business as a chemist at Hunstanton, Norfolk, aged seventy-seven. Mr. Wright qualified in 1894.

TRADE NOTES

Sole Distribution.—W. Sutton & Co., Druggists Sundries, London, Ltd., have been appointed sole distributors to the drug trade for Joseph Lingford's preparations.

Five-day Week.—D.D.D. Co., Ltd., 3 Fleet Lane, London, E.C.4, announce that a five-day week is in operation in their offices and warehouse.

Now Tax-free.—The Crookes Laboratories, Ltd., Park Royal, London, N.W.10, state that, by a recent ruling, Crookes' F.C.V.D. (Ferro-cuprum with vitamin D) is no longer subject to purchase tax.

Printing Resources.—Extensions carried out at the printing works of Alf. Harrison & Sons, Ltd., Burley Road, Leeds, 4, have the effect of increasing production capacity by at least 50 per cent.

Through Chemists Only.—J. & J. Beaulah, Ltd., Boston, Lincs, state that there is insufficient Beaulah's malted milk available to meet current demands, and the company's policy is to distribute available supplies exclusively through chemists.

Single-dose Containers.—John Tye & Sons, Ltd., London, N.7, specialise in the manufacture of single-dose medicaments in containers of gelatin, glass or composite material. Chemists are invited to write for details of the complete range.

Now in Plastic Tube.—Menley & James, Ltd., 123 Coldharbour Lane, London, S.E.5, announce that their Benzedrine inhaler has been reintroduced; it is now issued in a container of modern plastic material.

Publicity Among Tourists.—British Schering, Ltd., 167 Great Portland Street, London, W.1, state that they are shortly taking space in the time-tables of travel agencies to advertise Vasano travel sickness remedy.

Bielefeld Book Exhibition.—THE CHEMIST AND DRUGGIST and the *C. & D. Export Review* are among publications which are to be exhibited at a Book Exhibition which is being organised at Bielefeld in the British Zone of Germany on February 7 by the Control Office for Germany and Austria.

Move to Expedite Supplies.—In order to accelerate the manufacture of Manucol sodium alginate, for which recently the demand has been heavy, the manufacturers, Albright & Wilson, Ltd., 49 Park Lane, London, W.1, announce certain changes in

production policy, of which details are given on another page.

Reintroduced Preparations.—Eva Medical Supplies, Ltd., Speke, Liverpool 19, announce the reintroduction of two o liver preparations on the home mark Heprona, a liver tonic for children and adults is issued in bottles of 6 fl. oz., a Hepatex with iron in bottles of 2 fl. Both preparations are made from protolysed extract of liver.

One-table P.A.Y.E. System.—A solution to problems presented to employers by Government's new P.A.Y.E. single-table plan has been provided by Shannon System (The Shannon, Ltd.), Shannon Corner, N. Malden, Surrey. Interested employers are invited to apply to the company's system research department for free specimen cords and details of weekly and monthly P.A.Y.E. single-table visible records.

New Factory.—F. Hurtley, Ltd., makers of Litesome fitness wear for men have begun production in a new, bigger factory. Since a fire that destroyed the factory during the war the company has been working under difficulties and, under pressure of increasing flow of orders, had had to ask the trade to be reconciled to unavoidable delays. Greatly increased production facilities should soon adjust the position.

Tours to Utrecht Fair.—Specially arranged tours to the Utrecht, Holland Trade Fair to be held from March 11 (see *C. & D.*, January 11, p. 41) are announced by Mr. S. H. Hartog, export consultant, 9 Radnor Lodge, Sussex Place, London, W.2. The first party will leave Liverpool Street Station, London, March 10, returning on March 15, and second on March 15, returning on March 20. Full details and costs may be obtained from the promoter of the tours.

Calendars.—BOXFOLDIA, LTD., calendar manufacturers, Bournbrook, Birmingham, have issued a month-to-the-page hanging calendar, designed, printed and published by the company, in which the months are given in red and the dates in white on black ground.—A wall-card with hanging calendar tab, has been issued by JAMES TAYLOR (TRONGATE), LTD., 132 Trongate, Glasgow, C.1. The card, size 19 x 11 in., reproduces a Rowlandson drawing in colour, of an apothecary at prayer, mounting the amusing text of the prayer, apparently contemporaneous with the original illustration.

Agencies in India.—Leslie Marks & Co., d., sponge and chamois leather exporters, and 9 Earlam Street, Cambridge Circus, London, W.C.2, have made the following agency appointments for India, Burma and Ceylon:—Bombay: G. Atherton & Co., d., P.O. Box 625, 28 Apollo Street; Calcutta: G. Atherton & Co., Ltd., P.O. Box 2388, 4 Mission Row; Delhi: S. M. Abdulla & Sons, Fatehpuri; Karachi: S. J. G. Fazul Ellahie, South Napier Road; Madras: McDowell & Co., Ltd., P.O. Box 17; Rangoon: Binning & Co., 625 Merchant Street; Ceylon: The Western Commercial Agency, 21 Keyzer Street, Pettah, Colombo.

Glass Equipment for Chemical Trade.

The extent to which war-time improvements in the technique of glass fabrication have made possible the wider employment of glass equipment in the chemical and drug industries was demonstrated at a conference of the Midland Institute at Birmingham recently, when examples of laboratory apparatus and industrial-scale chemical plant made by Quickfit & Quartz, d., were exhibited. Among the exhibits were components for an all-glass batch still, suitable for production of drugs and chemicals, and a Stadler all-glass water still for continuous manufacture of distilled water for use in hospitals, analytical laboratories,

gulations. The new pocket-sized work is divided into sections on negative exposure, negative processing, printing methods, toning, etc., with a tinted diary section and pages for recording exposures. The calculator disc is adapted to give exposures for both daylight and artificial light, and a depth-of-field calculator disc has been added.

Proprietary Articles Trade Association

Alterations to Protected List.—*Allen & Hanburys, Ltd.*, Isogel granules, 34s. 6d. doz., tax 5s. 9d. doz., inclusive retail price 4s. 6d.; 129s. 6d. doz., tax 21s. 6d. doz., i.r.p. 16s. 10d.

J. L. Bragg, Ltd., new prices, February 1: Charcoal biscuits, 17s. 6d. doz., tax 2s. 11d. doz., i.r.p. 2s. 1d.; 32s. doz., tax 5s. 4d. doz., i.r.p. 3s. 10d.; 60s. doz., tax 10s. doz., i.r.p. 7s. 1d. Charcoal lozenges, 15s. doz., tax 2s. 6d. doz., i.r.p. 1s. 9½d.

County Perfumery Co., Ltd., Brylcreem, jar, No. A.476, 8s. 1d. doz., tax 8s. 1d. doz., i.r.p. 1s. 9d.; tube, No. A.299, 9s. doz., tax 9s. doz., i.r.p. 1s. 11½d.; jar, No. A.481, 13s. 7d. doz., tax 13s. 7d. doz., i.r.p. 2s. 11½d. Brylfoam, tube, F.501, 5s. 2d. doz., tax 1s. 9d. doz., i.r.p. 9½d.

The Iglodine Co., Ltd., Iglodine anti-septic, 8 oz., 16s. doz., tax 2s. 8d. doz., i.r.p. 2s. £2 assorted orders, 15s. doz.

Osborne, Bauer & Cheeseman, Ltd., Glymiel jelly, tubes, 6s. 5d. doz., tax 6s. 5d. doz., i.r.p. 1s. 3d.; 11s. 7d. doz., tax 11s. 7d. doz., i.r.p. 2s. 3d.

Deletions.—Cutex clear liquid polish, No. T.10; Cutex Creme liquid polish, No. T.22; Cutex polish-remover, No. T.30.

Amoebiasis Treatment.—Savory & Moore, Ltd., medical department, 61 Welbeck Street, London, W.1, have introduced a Saloquin brand di-iodohydroxyquinoline for use in the treatment of amoebiasis. Following war-time experiences, the compound has received recognition as having a number of advantages over other substances hitherto employed. Effective therapeutically, it can advantageously replace retention enemata, making treatment easier for both patient and nursing staff. The usual course is the use of eight to ten tablets daily for twenty days, either alone (particularly in "relapsing" types of amoebiasis) combined with emetine injections and/or emetine and carbarsone by mouth. A booklet is available on application.

Photographic Year Book.—Shortly to be in the hands of dealers, the Wellcome Photographic Year Book, 1947, issued by Wm. H. Roughts Wellcome & Co., 12 Red Lion Square, London, N.W.1, may be described as a lineal descendent of the Wellcome exposure calculator, handbook and diary, publication of which was discontinued in 1941 on account of the paper control re-



CHRISTMAS PARTY.—Scene at party organised by T. J. Favell & Co., Ltd., manufacturing chemists, London, S.7.26, recently for their employees

PERSONALITIES

SIR FREDERICK BAIN (deputy chairman of Imperial Chemical Industries, Ltd.) was the subject of a three-column article in a "Profile" series in a recent issue of the "Observer."

MR. GEORGE F. ANDERSON (managing director of T. & H. Smith, Ltd., Edinburgh,



London and Glasgow) retired recently after having given fifty-seven years' continuous service with the company. To mark the occasion he was entertained to a complimentary dinner and presented with a piece of silver-plate by his fellow directors. Mr. F. H. Wilson, who has retired after fifty-three

years' service in the company's offices at London and Edinburgh, was presented with a timepiece from the directors at the same function, and both guests were recipients of gifts from the staff.

MR. ARTHUR WESTMACOTT PITT (managing director of Henry Bell, Ltd., manufacturing chemists, Waterford) has established a private airport at Dunmore East, nr. Waterford City. Mr. Pitt served as a pilot in the Royal Air Force.

MR. BOB MARTIN (founder of Bob Martin, Ltd., Southport) commemorated his eightieth birthday recently by sending a cheque for £1,000 to Southport Infirmary. The staff of the company and of Bob Martin (Export), Ltd., presented Mr. Martin with an inscribed silver salver to mark the occasion.

MR. GEOFFREY A. N. HIRST, a director of Hirst, Brooke & Hirst, Ltd., (Sheepscar Works, Leeds), has been appointed chairman of the Yorkshire Regional Academic Board of Advanced Technology, and a member of the East and West Ridings Regional Council of the Federation of British Industries.

LIEUTENANT-COLONEL ERNEST BRIGGS, C.B.E., D.S.O., has retired from the chairmanship of Lever Bros., Port Sunlight, Ltd., a post he has held since 1938. To mark the occasion the mayor of Bebington (a departmental manager in the company's works) made him a presentation of a barograph,

recently, on behalf of between 3,000 and 4,000 employees.

MR. F. W. RUDD (manager of the distillery of J. E. Hardwicke, 4 Cornhill, Bury St. Edmunds, Suffolk), is the author, under the *nom-de-plume* of "Sidney Esmond," of a number of novels. He is also the composer of an opera "Isthar," the script of which, after remaining unclaimed in the returned letter section of the General Post Office for over three months recently, was in danger of being destroyed and became the subject of comment in the daily Press.

BUSINESS CHANGES

MR. P. J. BALDWIN, M.P.S., Reigate, and MR. A. C. WOODCOCK, M.P.S., Dorking, have opened a pharmacy at Ewell, Surrey.

HERD & MUNDY, analytical and consulting chemists, have removed to 47 Weymouth Street, London, W.1. (Telephone Welbeck 7835).

INTERNATIONAL EXPRESS CO., Ltd., have removed to Intex House, 68 Finsbury Pavement, London, E.C.2. (Telephone Metropolitan 8411-12).

GAYLARDS (CHEMISTS), LTD., 10 Church Lane, Hayes, Middlesex, have opened a new branch at 2 Cressex Parade, Booker, High Wycombe, Bucks.

DELLWOOD, LTD., manufacturing fumers, Sutherland Road, Walthamstow, London, E.17, announce that their sole representatives are Messrs. A. G. Thomas & A. R. Graham.

HIRST, BROOKE & HIRST, LTD., Sheepscar Works, Leeds, 7, have appointed Mr. K. Grayson assistant export manager and E. Kendall, M.P.S., a member of their staff of representatives.

MR. STANLEY R. EVANS, M.P.S., has acquired the pharmacy of A. W. Beresford, Ltd., 414 Nechell's Park Road, Birmingham, 7, and is continuing it as a private company under the original title.

EVANS MEDICAL SUPPLIES, LTD., announce the return from the Services of the following representatives: Mr. C. E. Veder, M.P.S., 1 Roman Terrace, Leeds (chemists, Leeds area) and Mr. D. Coutts, M.P.S., 51 Hillhedge Street, Glasgow, W.2 (doctors and hospitals, Glasgow area). A new representative, Mr. B. Evans, M.P.S., 107 Broadway, Walsall, has been appointed to call on chemists in South Birmingham and the adjacent counties.

EMPIRE AND FOREIGN NEWS

New Microbiology Institute in Trinidad.

Work will begin shortly on a new microbiology institute at St. Clair, Trinidad. Dr. G. Thayson, Director of Agriculture, has announced that the final arrangements have been made for the work to go ahead.

U.S. Scientific Research Board.

President Truman recently inaugurated a presidential research board to study scientific research and development activities in the Government "to ensure that scientific personnel, training and research facilities of the nation are used most effectively in the national interest."

Penicillin Reclaimed from Urine.

Considerable quantities of penicillin, extracted by a new method from the urine of patients already treated with the drug, are being placed at the disposal of the British and U. S. Sectors in Berlin, according to a recent report from Hamburg. The development of this process in Berlin is so far advanced that it will shortly be possible to produce about 10,000,000 units of penicillin

of pharmacy faculties, and indicate the numbers of pharmacists to be required in the future.

German Insulin Shortage.—The plight of 20,000 diabetics in the American zone of Germany, where there is an acute shortage of insulin, is giving concern to Military Government officials. The local production of insulin is in the region of six or seven millions units per month, while the minimum requirements of the diabetics in the zone is estimated as twenty-one million units. German production has fallen off due to the lack of pancreas glands. Zone officials are now awaiting the arrival of the first shipment of some seventeen billion units of insulin, which is being shipped from the United States to help relieve the shortage. It is understood that the shipments will be handled by the Council of Relief Agencies licensed to operate in Germany. It will be turned over by them to German medical authorities for distribution under strictest supervision.

Soviet Campaign for Drugs.

To increase the supply of medicinal plants, the Public Health Ministry of the Russian Republic is promoting a collecting campaign, states the Soviet Press. Appealing to schools, collective farms, timber enterprises and lumber mills, the Ministry urges their members to collect medicinal herbs, roots, flowers, and to deliver to the local collectors where in exchange they can receive priorities for the purchase of consumer goods. The following plants are mentioned in the list: Buds, white birch; flowers, lily of the valley and daisy; bark, buckthorn; leaves, henbane, thornapple, foxglove; roots, lily of the valley; roots, valerian, marshmallow, white hellebore; ergot.

U.S. Pharmacy Survey.

The American Council on Education is to make a pharmaceutical survey which is expected to take three years to complete. Among the fields of information which the survey will cover are the following: an analysis of prescriptions to find out how much knowledge is required to dispense them; an analysis of how a pharmacist spends his time, how much is spent in dispensing, in management, in professional, commercial and civic affairs; how much knowledge must the pharmacist have to answer the doctor's inquiries. It is expected that the survey will help to define the educational requirements

Jamaica's Mineral Baths.—The mineral water of the Milk River Baths is claimed to be one of the most remarkable in the world. The baths are situated at the foot of the Round Hill in Vere, Clarendon, Jamaica, which is of limestone formation, and are about 50 yd. from the edge of Milk River and about two miles from the sea. The water, which is extremely saline, issues from crevices in the rock direct into the baths through which it flows at the rate of 240 gall. per minute, or 345,600 gall. per day. The temperature of the water maintains a uniform 91°-92° F. throughout the year. Besides being rich in mineral salts it possesses a high radioactivity, which renders it of considerable therapeutic value, which is not surpassed by any mineral bath in the world. Gout, rheumatism, sciatica, lumbago, neuralgia, eczema, kidney and liver troubles, are the complaints for which this water is recommended. Its mineral contents include: Sodium chloride, sodium sulphate, magnesium chloride, potassium chloride, calcium chloride; traces of potassium, lithium, iodine and bromine are also found. The following is the comparison as given by Mr. Barnett (deputy island chemist) of the relative radioactivity of the Milk River Bath with other well known spas of world-wide reputation. The bath is nine times as radioactive as Bath; fifty times as radioactive as Vichy; three times as radioactive as Carlsbad.

EXPENDITURE ON ADVERTISING

IN 1943 the Advertising Association invited the National Institute of Economic and Social Research to undertake an independent scientific inquiry into the economic effects of advertising. The Institute has recently issued its findings in a report which is to be published in its final form later. The investigation was purely factual, making no attempt to draw conclusions on the efficiency or value of advertising.

Statistics are given about (1) the total expenditure on advertising in Great Britain; (2) the subdivision of expenditure according to commodities; (3) the subdivision according to media; and (4) the subdivision according to sections of the advertising industry. The year chosen for detailed examination was 1935, the last year for which a Census of Production was available. The total national expenditure on advertising (definitions and statistics are necessarily subject to a wide margin of error) in that year amounted to just over £89 millions, or about 2.2 per cent. of the net national income. Some £40 millions represented primarily "informative" advertising, and £50 millions primarily "persuasive." £65 millions' worth of advertising, including the whole of the "persuasive" type, was directed to the final consumer.

Toilet and Medical Goods

A great variation is shown between the amount spent on advertising by manufacturers in different industries. Toilet and medical preparations come high on the list. In 1935 a total of more than £3,500,000 was spent on advertising toilet goods and more than £5,500,000 on medical goods. For some goods in each class the amount spent on advertising represented about 50 per cent. of the manufacturers' sales figures. Table 1, taken from statistics given in the report, shows the amount spent on advertising particular classes of toilet and medical goods as a percentage of the manufactured sales.

Of Press display advertising directed to the final consumer in 1935, toilet goods accounted for £2,057,000 (4.8 per cent. of all such advertising) and medical goods £3,431,000 (8 per cent.). These figures are further analysed in Table II.

The report stresses the almost complete lack of official information about advertising expenditure, despite its importance in connexion with the country's economic system. Much of the report's information was obtained by private inquiries with the co-operation of numerous businesses. Some

detailed suggestions are made for items to be included when the next Census of Production is taken by the Government.

TABLE I

Total expenditure of manufacturers on advertising of selected consumers' goods (excluding all goods where the ratio of advertising to sales was under 3 per cent.) and its relation to manufacturers' sales in 1935, the year chosen for the inquiry

	Manufacturers' sales £ millions	Manufacturers' advertising £ '000	Advertising as per cent. of sales
TOILET GOODS			
Razors, blades and sharpeners ..	1.2	144	12
Hair, tooth, shaving brushes, hair grips	1.7	76	4
Shampoos, hair dressings, shaving soaps	1.5	730	48
Toothpastes, fixatives mouthwashes ..	1.4	640	46
Perfumes, bath salts, talcums	1.6	284	18
Cosmetics, face powder, manicure items	1.0	380	38
Toilet soap ..	2.2	786	36
Toilet and hand creams	1.1	533	48
Totals	11.7	3,573	30
MEDICAL GOODS			
Emulsions, malt and oil preparations ..	0.87	172	19
Health salts ..	0.70	362	52
Tonic wines ..	0.32	199	62
Ointments, lotions, liniments	0.78	350	45
"Patent" and proprietary medicines	10.20	4,586	45
Rupture appliances	0.50	37	7
Totals	13.4	5,706	43
SUNDRIES			
Cereal, health and baby foods ..	5.5	2,399	44
Disinfectants, insecticides, etc. ..	1.0	186	18
Cameras, films, accessories	2.7	265	10

TABLE II

Distribution between commodities of the expenditure on Press display advertising 1935 (advertising directed to the final consumer.)

TOILET GOODS	£'000	Percentage of total expenditure
razors, blades, sharpeners ..	75	0.18
combs, wavesets ..	122	0.28
soaping soaps, creams ..	70	0.16
toilet brushes ..	8	0.02
hair waves, hair grips ..	13	0.03
hair oils, creams ..	46	0.12
hair treatments ..	142	0.33
sanitary towels ..	24	0.06
toothbrushes ..	17	0.04
mouthwashes ..	37	0.09
toilet articles, denture powders, etc. ..	296	0.69
perfumes ..	79	0.18
perfume salts and cubes ..	61	0.14
toilet powders, talcum ..	8	0.02
toilet powder ..	135	0.31
toilet sticks and rouge ..	32	0.07
toilet skin preparations ..	31	0.07
toilet deodorants ..	9	0.02
toilet lotions ..	22	0.05
toilet soap ..	410	0.96
toilet creams, hand creams ..	278	0.65
other toilet preparations ..	142	0.33
Totals ..	2,057	4.80
MEDICAL GOODS		
emulsions, oil and malt preparations ..	102	0.24
health salts ..	215	0.50
herbal wines ..	118	0.27
ointments, liniments ..	200	0.47
toilet preparations ..	8	0.02
cough and cold "cures," inhalants, etc. ..	196	0.46
headaches, headache preparations ..	299	0.70
asthma and catarrh remedies ..	18	0.04
digestion "cures" ..	299	0.70
reducing preparations ..	45	0.11
other proprietaries ..	1,780	4.15
rupture and hernia appliances ..	22	0.05
stomach aids and treatments ..	43	0.10
dog and cat medicines ..	73	0.17
other veterinary goods ..	13	0.03
Totals ..	3,431	8.01

RADIOACTIVE IODINE

RADIOACTIVE iodine isotopes administered orally, as a solution of radioactive sodium iodide, were found "to be effective therapeutically in treating a case of metastatic adenocarcinoma of the thyroid," according to Seidlin, Marinelli, and Oskry ("Journal of the American Medical Association," 132, 838). The patient had been completely thyroidectomised for "malignant adenoma" in 1923, and in 1939 had received further surgical treatment for a metastatic thyroid adenocarcinoma of a vertebra; later, hyperthyroidism developed with metastases in other parts of the body.

Selective Irradiation

Since, physiologically, the thyroid cell, normal or malignant, cannot distinguish between inert and radioactive iodine the normal affinity of the thyroid cell for iodine was used as a method of "selective irradiation" of this type of carcinoma of the thyroid.

The radioactive iodine used was a mixture of varying proportions of two isotopes: I^{130} , half life 12.6 hours, and I^{131} , half life eight days, prepared in the cyclotron by the bombardment of tellurium with deuterons. These isotopes are chemically identical with stable iodine and cannot be separated by ordinary chemical or physiological methods. They emit β rays (high speed electrons) which cause intense ionisation within a few millimetres of tissue, and γ rays which cause a negligible amount of ionisation within the body but which may easily be detected externally by a Seiger counter.

After administration of tracer doses, the radioactive sodium iodide was observed to concentrate in all of the known metastases, and by use of the Geiger counter two further lesions were found.

Measurements on urine indicated that 30 to 40 per cent. of the tracer dose was excreted over a seventy-two to ninety-six hour period. In the first course of radioactive iodine therapy a total of 102 millicuries of I^{130} and 20.5 millicuries of I^{131} was administered between May and August, 1943. [A curie is the quantity of radium emanation in equilibrium with 1 gm. of radium.]

On the leucocyte count I^{131} had no significant effect, but I^{130} had a considerable but temporary depressing influence.

In April 1944, and March 1945, additional radioactive iodine was administered, with resultant disappearance of pain, increase in weight, and a progressive change in the direction of hypothyroidism. X-ray evidence indicated the arrest, if not a regression, of the disease, and no untoward effects followed.

'TRIAD' CHERRY Flavoured MALT & OIL

GOLD CAPSULES

'VYTINA' TONIC TABLETS

HALIBUT OIL & MALT

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THE CHEMIST AND DRUGGIST

ESTABLISHED 1859

RETAILER—WHOLESALE—MANUFACTURER

regulates throughout the Pharmaceutical, Chemical, Drug, Essential Oil, Perfumery, Cosmetic, Toilet Preparation and allied trades and Industries in Great Britain, the British Empire, and foreign countries

Official organ of The Pharmaceutical Society of Ireland, The Pharmaceutical Society of Northern Ireland, The Chemists' and Druggists' Society of Ireland and of other Chemists' Societies in the Empire.

L. CXLVI FEBRUARY 1, 1947

NO. 3495

Carriage of Pharmaceutical Supplies

It was suggested that the intellectual level of wholesale druggists, on the average, is higher than that of the brains behind the Transport Bill, such an assumption might or might not be correct. But if, conversely, it were to be averred that any of the authorities who will constitute the great administrative machine which the Bill envisages are more competent than the wholesale druggist to judge when drugs could be carried in a private motor van or when in a public one, or when they could be consigned by rail, then there must either be presupposed an extraordinary and intimate knowledge of the drug trade on the part of the administration in question, or we must marvel at the easy confidence which assumes that any Government officer, armed with a rubber stamp and the authority to grant or deny a permit, could teach this complex trade its business.

Permits of Permits

Under the draft Bill at present before a standing Committee of the House of Commons, the manufacturer or wholesaler of pharmaceuticals would have to obtain a permit from a regional licensing authority to deliver his goods in his own vehicle beyond a radius of forty miles. The great majority of wholesale druggists in the kingdom would need such a permit so that they could continue giving their pharmacists and hospital customers the rapid and reliable service they are entitled to expect. One may indeed ask why it should be con-

sidered necessary to place any check at all upon the rendering of this service, for the transport of goods from maker or wholesaler to retailer is purely a service function and nothing else. It is not to be supposed that, with the specialised experience of years to guide them, wholesale druggists would be using private motor transport were it uneconomical and if greater satisfaction could have been achieved by other methods of delivery. Let us consider for a moment what it would mean for the drug trade if the clock were put back to the days before traders ran their own vehicles. To secure acceptance for consignment by rail or by the road haulage organisation, the goods would have to be crated and packed securely. Would there be found, under present conditions, the labour and materials with which to do the packing? Would the pharmacist have the staff or the room to unpack the crates? Today a large proportion of the drugs are delivered, with a minimum of unhygienic litter, direct from trays in the drug van. Who would take back to the manufacturer the urgently needed empty winchesters and jars?

Possible Results of Breakages

About 70 per cent. of the average drug load consists of liquid materials, including strong acids, sticky syrups, costly oils and alcoholic tinctures. It would be a remarkable chemist who could predict the infinite variety of reactions that would result from a wholesale mix-up of a broken drug load. It would need less imagination to count the cost in loss of expensive medicines, the contamination of other merchandise, the consequences to the consumer when the goods failed to reach their destination on time and prescriptions for the scarcer items remained unfilled and the risks to the public in poisons and habit-forming drugs lying loose. At the receiving end there is the pharmacist, trained in the stringent observance of poisons law for the protection of the public against the abuse of his many potentially dangerous wares. The wholesaler who, for all that he is dealing in hundredweights and tons where the chemist handles pounds and ounces, is no less conscious of his special obligation, which hitherto he has carried through to the point where the more specialised and

fragile of his consignments are delivered to the pharmacist under the personal supervision of a man responsible to himself.

If the freedom to choose the method of delivery of drugs is taken away and the element of personal responsibility that goes with an understanding of the implications of the task is removed, the very foundations of professional responsibility in pharmacy are in fact attacked. For if the State is not only to countenance but also to encourage the handing over of potent pharmaceuticals to an unknown agent of the State, solely in order to secure their transportation from one point to another in the chain of distribution, the pharmacist may soon begin to ask whether the whole pattern of the pharmacy and Dangerous Drugs laws, the registers that must be kept, the locked cupboards, the red labels, the fluted bottles, the periodical inspections, are not all part of a grand but outmoded façade merely designed to perpetuate the mysteries of alchemy. But more insidiously, if the State does this, will not the belief gain credence that the National Health Service, pouring out prescriptions—if estimates come true—at a trebled rate when the Government takes over, has itself proved a mere excuse for administrative machine-building if it can be allowed to wait upon the leisurely delivery of medical supplies while the wholesale druggist in Pillchester tries to convince the Regional Licensing Commissioner for Pillshire just why a wholesale druggist needs the free use of a motor van.

Consequences of Delays

Commonsense and human sentiment in this country have usually seen to it that those whose duties are bound up with the saving of life and the alleviation of suffering shall be subject to no avoidable impediment in the speedy execution of those duties. The delivery of pharmaceutical and medical supplies strikes a less sensational note than an ambulance or fire engine, but the consequences of interruptions or delays in such delivery may, in the aggregate, prove so much the greater. The special implications of this work gained official recognition during war-time.

The fact that provision is made in the Transport Bill for certain commonsense exemptions from the mileage restriction, as

in the case of meat and livestock, suggests that there is some protection from administrative ineptitude to be gained by such exemption. Surely, then, before the Bill becomes law, the Minister will see that it contains provision that nothing shall stand in the way of the free movement of medical and pharmaceutical supplies.

"Looking to the West"

THE report of the English members of the Anglo-American team which in 1946 visited a number of European countries to estimate the demands likely to be made on the British and American scientific instrument industries (see p. 156) reveals that although the names of British firms are largely unfamiliar to Continental users, the sentiment at German ill-treatment is, in many countries, coupled with an evident desire to break the German connexion in the field of education and science. For the practical business of buying scientific instruments, Europe is "looking to the West." The report points out that if the opportunity to establish the reputation on the Continent of British manufacturers is not to be lost, two problems must be solved.

The first is to make European buyers aware of the range and quality of supplies available from Britain. Existing agencies in European capitals should be improved and new ones established. Such agencies should be provided not only with literature but with actual instruments in sufficient quantity to allow them to be loaned and demonstrated, not merely exhibited behind glass. Servicing facilities should be provided, and attention paid to the special needs of particular countries. An exhibition held in Stockholm in 1946 by the Royal Swedish Academy of Engineering Sciences, the Swedish Association of Technical Physicists and the [British] Scientific Instrument Manufacturers' Association aroused great interest and elicited many inquiries for British instruments. We understand that preparations are being made for a similar exhibition in Brussels, possibly in co-operation with the Americans, and the authors of the report suggest that displays should be arranged in other capitals.

The second problem is that of speeding up the British production of instruments

that demands from Europe can be met without delay. It is to be hoped that the technical committee set up by the Scientific Instrument Manufacturers' Association to discuss ways of putting into effect the recommendations of the report, will succeed in overcoming the shortages of skilled labour and factory space which are at present severely hampering British production. An opportunity for British manufacturers undoubtedly exists; they should seize it now and it will not last for ever.

A Timely Warning

In view of the number of urgent broadcast appeals made recently for supplies of streptomycin, a drug which in the present state of knowledge appears to be potentially dangerous, the recent warning about its use issued by the Minister of Health (see p. 136) is timely, and will doubtless serve to check what was perhaps a rising tide of misplaced optimism among the laity and medical workers alike.

The dangers associated with the use of streptomycin, as the Minister indicates in his statement, include neurological disturbances such as giddiness and deafness, and—in cases of tuberculous meningitis—blindness and serious mental derangement. It will be recalled, for example, that, of the eleven cases of military tuberculosis treated extensively with streptomycin by Hinshaw and others in the United States ("Journal of the American Medical Association," 1946.132.778) six died. Of the five survivors, four had shown symptoms of meningitis (and were the only patients to receive intrathecal injections), but this degree of success was further diminished by the fact that one patient was left deaf, another blind and another with cerebellar dysfunction. From Oxford University, too, "alarming" reactions following intrathecal injection of streptomycin have been reported by Cairns and colleagues ("Lancet," 1946.II.153). Although there has been some doubt whether these toxic reactions were the effect of impurities or of the drug itself (see "Journal of the American Medical Association," 131.746, and "American Professional Pharmacist," 1946.II.649) evidence seems now to show that toxicity is inherent in the drug. McDermott, for

example, ("Journal of the American Medical Association," 1946.132.70), in a report on a 1,000 cases treated with streptomycin, observed toxic symptoms when using pure streptomycin sulphate.

While the Minister of Health, in his statement, makes it clear that he wishes to place no obstacles in the way of doctors or hospitals desirous of obtaining new drugs which they consider may be of benefit to their patients, he states justifiably that insufficient is known yet about streptomycin to justify the Government's making supplies more freely available. Supplies of British-produced streptomycin, as already announced (*C. & D.*, 1946.II.386) are being directed towards clinical research under the auspices of the Medical Research Council, and the Minister's assurance that "steps are being taken to accelerate production," so that supplies may be available for general use if clinical trials prove favourable, is to be welcomed. The statement is likely to have its repercussions shortly in the appropriate sections of the pharmaceutical industry.

Hush! Keep It Dark

COMMANDER Highprice himself, that radio master (or slave?) of disguises, could hardly have bettered a report just issued by the Ministry of Health (p. 141) upon a meeting of the Pharmaceutical Liaison Committee which took place on December 12, 1946—that is, assuming that the purpose of the report was to give an impression of weighty matters discussed behind closed doors. Unfortunately, the report is almost equally as barren of concrete information as are the pronouncements of the picturesque Commander.

"A discussion on the matter took place"; "it was agreed that further consideration should be given"; and "it was agreed that the matter might usefully be investigated further" may serve to indicate what was on the agenda for the Committee's meeting, but what pharmacists want to know is the practical outcome of the discussions and the part taken in them by their own representatives. Were the official spokesmen of the profession dumb, and did no word come from those "representatives from other Ministries" who "attended to

assist discussion on certain items"? To all appearances, the last-named gentlemen must have failed in their purpose as catalysts to the conversations. In one important respect, perhaps, the report fails to achieve the standards of the burlesque detective of Mr. Eric Barker's broadcast programme. It would not have taken him from December 12, 1946, until now, we feel, to produce the statement.

The practice of adopting devices by which the glare of publicity may be avoided appears to be extending, as much amongst civil servants as in responsible pharmaceutical circles. At recent Council meetings of the Pharmaceutical Society the periods during which the flag has been "up" (indicating that the Council is "in committee" and that, in consequence, its proceeding may not be reported) appear to have been greatly in excess of the time spent in open session. From the "official" reports of the proceedings handed out afterwards to the Press, it would seem that the art of camouflage has been more successfully developed than the science of fog dispersal.

From many points of view this is regrettable. Once a year the members of the Society are called upon to elect seven of their number to represent them upon the Council, and the more informed the choice of the electorate, the better for all concerned. Yet how is an elector to judge the merits of a candidate seeking re-election when, by whatever means he tries, he cannot find out what contributions that member has made to the deliberations? There is no public, or even privileged, gallery in the Council chamber to provide a vantage point from which members may observe their representatives at work, and independent Press reporters, bound by the chairman's flag, are virtually permitted to record only the approval of minutes or the passing of resolutions that have been debated "in committee." Even the voting figures are kept secret. The elector's dilemma is made the more confusing by the fact that, in recent years, the seven retiring Councillors have usually offered themselves under a common banner, as if their views had been unanimous during their previous term of office. In such circumstances the choice for the individual votes resolves itself into deciding for the

"ins" or giving a chance to the "outs." Not surprisingly the "ins" usually lose, for the majority of potential voters understandably become apathetic towards the voting when it appears to matter little which candidate is returned.

However, in the elections shortly to place, it is likely that the hand of time will effect what the franchise has, in recent years, failed to do, namely to bring about a change in the personnel of the Council. Several of those whose turn it is to retire are at an age when they will hardly be expected to serve for a further term. Indeed, the trend of public thought in other fields towards imposing a retiring age. It is of course, possible that only middle-aged candidates will come forward to take their places, but we believe that the opportunity of the 1947 elections will be noted and seized by younger pharmacists. Not least of the services the newcomers will render to their fellow members will be to insist upon greater publicity being given to the Council's proceedings.

RECENT RESEARCH

Diploicin in Tuberculosis.—A soluble form of the substance diploicin, a compound isolated from the lichen *Buclanella canescens*, is described by Barry ("Nature", 1946, II, 131-32); a neutral solution of the compound inhibited the growth *in vitro* of *Mycobacterium smegmatis* at a dilution of 1 in 70,000, and of *Myco. tuberculosis* at a dilution of 1 in 100,000 for forty days. The resemblance between this compound and thyroxine suggested that hypothyroid activity of the thyroid gland might provide a defence mechanism against tuberculous infection.

Sterilisation by Supersonic Waves.—The intense vibrational energy associated with the emission of supersonic sound waves has led to the development of processes for killing viruses (e.g. in tobacco leaf) and bacteria, and for sterilising materials, according to Richardson in "Supersonic Vibrations and their Applications," ("Journal of the Royal Society of Arts", January 3, p. 104), but it is necessary to distinguish carefully between the effects due to high frequency vibrations and those due to heat which the vibrations produced in liquid. In France an apparatus called "ultrasonoscope" had been used to concentrate supersonic waves into selected parts of the anatomy.

GUIDE TO NEW MEDICAMENTS

Information—in a form convenient for mounting on record cards for permanent card-index systems—about new proprietary medicaments supplied principally on a description. Their mention in these columns does not imply Editorial recommendation. A limited number of reprints will be made available to subscribers on application.

URO-TRASENTIN

MANUFACTURER: Ciba, Ltd., Horsham, Sussex.

DESCRIPTION AND FORMULA: Compressed tablets containing:

Hexahydrodiphenylacetylaminio-ethanol esterhydrochloride (Trasentin)	$\frac{1}{2}$ gr.
Phenobarbitone	$\frac{1}{3}$ gr.

INDICATIONS: Spasms of the gastro-intestinal and genito-urinary tracts particularly when a sedative action is desirable.

HOW SUPPLIED: Bottles of twenty and 100 tablets.

NOTES: Included in Schedules 1 and 4 of the Poisons List.

ACTALUMINA

MANUFACTURER: Crookes Laboratories, Ltd., Park Royal, London, N.W.10.

DESCRIPTION: A 6 per cent. gel of aluminium hydroxide: details of formula not disclosed.

INDICATIONS: The control of hyperchlorhydria and pepsin activity, and peptic ulcer.

DOSE: One to four teaspoonfuls or more, three to six times daily, with or without water. During the acute phase at least two tablespoonfuls to be given at bedtime, the dose to be repeated once or twice during the night.

HOW SUPPLIED: 6-oz., 12-oz., 80-oz. bottles.

NOTES: The makers state that the preparation is of particular value in treating peptic ulcer, as it does not produce alkalinity of the gastric contents or disturb the acid-base balance.

ALTOIN

MANUFACTURERS: Allied Laboratories, Ltd., 140 Park Lane, London, W.1.

DESCRIPTION AND FORMULA: 8 $\frac{1}{2}$ -gr. compressed tablets containing:

Salicylic ethyl ester carbonate	gr. 1.020
Acetylsalicylic acid	gr. 3.060
Phenacetin	gr. 3.060
Codeine phosphate	gr. 0.084
Caffeine	gr. 0.255
Excipient	gr. 1.021

INDICATIONS: For the relief of pain, also pre- and post-operatively in dental surgery.

DOSE: *Adults*: One to two tablets as required or two tablets three times daily, or as directed by the physician.

HOW SUPPLIED: Tubes of twenty and bottles of fifty; 500 or 1,000 tablets.

HELESTROL

MANUFACTURER: G. W. Carnrick Co., Newark, New Jersey, U.S.A. (Agents, Brooks & Warburton, Ltd., 232-42 Vauxhall Bridge Road, London, S.W.1.)

DESCRIPTION AND FORMULA: Compressed tablets containing:

Dihydrodiethyl stilbæstrol (Hexæstrol) ...	3 mgm.
Phenobarbitone	20 mgm.

INDICATIONS: Menopausal syndrome including nervous manifestations.

DOSE: In mild cases, one tablet at night; in more urgent cases, two or three tablets during day; in some cases half-tablet may be sufficient, and this may be adequate also as a daily maintenance dose after more intensive preliminary treatment.

HOW SUPPLIED: Bottles of 20, 50, 100 and 1,000 tablets.

NOTES: The tablets are scored to facilitate dosage reduction.

SCIENTIFIC INSTRUMENTS IN EUROPE

A report on the needs of European countries for scientific instruments and laboratory equipment

THE Ministry of Supply has issued recently a report prepared by the British members of an Anglo-American team which, during 1946, visited a number of European countries in order (a) to ascertain the extent of the war losses of scientific instruments and laboratory equipment from universities, research laboratories and schools, and (b) to collect information on the nature and extent of the rehabilitation requirements. The purpose of the mission was to enable British and American makers to plan to meet the demands likely to be made on them. The countries visited were France, Switzerland, Italy, Greece, Austria, Czechoslovakia, Belgium, Holland, Denmark, Norway, Poland and Sweden. The British members of the team (Messrs. Thomas Martin and R. W. H. Cook) were nominated by the Ministry of Supply. It is explained that the opinions expressed and the recommendations made are those of the authors, not of the Government. While the immediate call on British instrument production is estimated not to exceed £5,000,000, excluding the requirements of Switzerland and Sweden, "a remarkable opportunity" for British instrument manufacturers is said

to exist. European countries were found to be "looking towards the West" for supplies which formerly came from Germany, but the names of British makers were largely unfamiliar to Continental users. In nearly every country there was a serious shortage of laboratory glassware, porcelain, filter papers, rubber tubing, etc., and of pure chemical reagents. Portable instruments, such as microscope spectrometers and photographic equipment, were needed in every country. In addition a shortage of textbooks and scientific journals was general.

The British instrument industry, say the authors, is struggling with shortage of skilled labour and inadequate factory accommodation. "The extent to which Britain may be able to take the place of Germany in the European export market depends on the amount of the deliveries she is able to make over the next two or three years," concludes the report. "In such circumstances it is reasonable to ask that special consideration should be given to the post-war problems of this small but vital industry." Detailed information about the position in each country visited is given in the table below:—

Country	Estimated damage to scientific and educational equipment	Estimated cost of rehabilitation	Attitude towards imports from Britain	Special considerations	Recommendations made by mission
France	Not extensive except at Lyons; no systematic looting by Germans	£1,000,000	Depends on internal financial situation and on recovery of French instrument industry	Scientific establishments urging import of equipment. Exhibition of British instruments would be welcomed.	Information about British products should be sent to French users through Centre Nationale de Recherches Scientifiques
Switzerland	None, but German supplies cut off	—	Favourably disposed towards Britain	Rapidly extending home production but cannot satisfy all requirements	Full information should be sent from Britain about products which Swiss cannot themselves make
Italy	Serious and extensive, particularly at Naples, Bologna and Turin	£250,000	Looking to U.S.A. rather than to Britain for goods formerly obtained from Germany	Considerable productive capacity for scientific instruments in Northern Italy	Not favourable to British instrument industry

<i>Country</i>	<i>Estimated damage to scientific and educational equipment</i>	<i>Estimated cost of rehabilitation</i>	<i>Attitude towards imports from Britain</i>	<i>Special considerations</i>	<i>Recommendations made by mission</i>
Czechoslovakia	Considerable	£200,000	Favourable	Bought almost entirely from Germany before the war	British industry should set up agency in Athens
Austria	Scientific establishments used by Germans during war largely intact	£350,000	—	War-time issues of technical journals, chemical reagents and elementary equipment needed	—
Czechoslovakia	£400,000	—	Limited by financial control of imports and small educational requirements	Limited demand likely from Britain for fine balances, optical instruments for research, and chemical reagents	Favourable but limited field for British industry
Belgium	Extensive at Liege and Louvain ; relatively light elsewhere	£500,000	Favourable	Great opportunity for British manufacturers but speedy delivery essential	British suppliers should establish agencies and make contact with university professors. Circumstances very favourable for exhibition of instruments
Holland	Serious and widespread	£500,000	Considerable purchase from Britain and U.S.A. contemplated	Buying done through Central Purchasing Office	Further discussions with Dutch government departments necessary
Denmark	Slight, but supplies cut off during war years	£100,000	Favourable	Laboratory glassware and chemical reagents especially required	Favourable but limited market ; early deliveries essential
Norway	Small, but supplies cut off during war years	£150,000	Favourable	Norwegians consider German industry should be allowed to resume production	More effective British agencies should be established in Oslo
Poland	More serious than in any other country visited. Educational facilities in Warsaw almost completely destroyed	£7,500,000	Limited by Polish purchasing power	Demand on British industry likely to be limited to equipment included in relief grants	Official or unofficial help should be given to Polish education on humanitarian grounds

PHARMACEUTICAL SOCIETY OF NORTHERN IRELAND

A MEETING of the Council of the Pharmaceutical Society of Northern Ireland was held in Belfast on January 17, Mr. J. W. Gray, J.P. (president) in the chair. Also present were Messrs. J. McGregor (vice-president), H. H. Cowzer (treasurer), J. McDowell, Walter C. Tate, C. Abernethy, H. W. Gamble, J. Irwin, F. R. Moore, J.P., W. H. Boyd and Professor E. B. C. Mayrs. Mr. W. Gorman (secretary) was in attendance. Apologies for absence were received from Messrs. J. E. Connor, J.P., J. Glendinning and H. F. Moore.

Lectures Arranged

THE SECRETARY said that Mr. H. N. Linstead (secretary, Pharmaceutical Society of Great Britain) had consented to give a talk to members of the Pharmaceutical Society of Northern Ireland on the new Health Bill. It was agreed to ask for the Central Hall, Belfast College of Technology, for March 12. Mr. D. G. Ardley (May & Baker, Ltd.) would give a lecture on "The Modern Therapeutics of Bacterial Infection" on February 26.

A report from the special Education Committee meeting of January 7 was adopted on the motion of Mr. McDOWELL, seconded by Mr. F. R. MOORE. The report included a recommendation that the deputation appointed to interview officials of the Ministry of Home Affairs should ask for at least one more examination for both the final part 1 and final part 2 examinations to be held under the old syllabus. The Government considered that, to comply with the Act, students must be examined in zoology. MR. COWZER said that all students who had failed or been referred in particular subjects should be advised to study zoology in case the Council's efforts to have an examination held under the old syllabus should prove unsuccessful. The view was expressed that the deputation should press for an immediate answer.

Deputations to Ministries

THE SECRETARY reported that he had arranged an interview with the officials of the Ministry of Home Affairs for January 21, and another with the officials of the Ministry of Health and Local Government for January 29. The same deputation which was to see the Ministries' officials, with the addition of Mr. Tate,

was appointed to discuss the publication of a booklet on the poisons laws. Mr. J. Patterson (pharmacy inspector) had consented to prepare the text.

It was reported that a payable order for £27 15s. 11d., the balance of the suspense account containing licence fees under the Pharmacy and Poisons Act (Northern Ireland), 1925, due to the Society from March 1, 1946, to November 30, 1946, had been received. It was recommended that the Society's library should be made available as a reference library to members, associates and students.

The report of a meeting of the Finance Committee on January 17 was adopted on the motion of Mr. COWZER, seconded by Mr. MCGREGOR.

Schedule 4 Prescriptions

MR. GAMBLE said he had been asked to bring up the question of prescriptions for Schedule 4 poisons. He produced sample prescriptions in one of which the quantity of the drug to be supplied had been omitted, while another contained neither directions nor dose. It was agreed that the help of the inspector should be sought. A number of members intimated their intention of attending the British Pharmaceutical Conference.

Successful candidates at the recent qualifying examination attended to receive the certificates from the president, who said to them: "This is a great day in your career. You have satisfied the board of examiners that you are fit and proper persons to act as chemists. Yours is a great trust which is given to few men and I hope that you will never do anything to mar the good name of chemists in Northern Ireland. They had, said the president, spent long weary hours of study but their education would still continue, as each day brought some new development. "Service before self should be your watchword," continued the president, "for yours is a noble calling and we all know that in life, in whatever place we are, if we put our best into it, we shall get the best out of it; therefore let 'nothing but the best' be your motto and the public will trust and have confidence in you. I wish you all a very successful career."

MR. TATE, congratulating the successful candidates, said he was sure they would practise their calling faithfully.

INDIAN CHEMICAL INDUSTRY

The seventh annual general meeting of the Indian Chemical Manufacturers' Association of Calcutta was held in Delhi on November 21, 1946. The president, Dr. A. Hamied, was in the chair. In 1945 there was no annual meeting as several members of the executive committee were part of a delegation of Indian Chemical Manufacturers to the United Kingdom and the United States.

In his presidential address, Dr. Hamied said that the Association had made considerable progress during the eight years of its existence, and specially so during the last two years, as would be evident from the increase in its membership and the expansion of its activities.

Progress of Pharmaceutical Industry

Referring to the pharmaceutical side of the chemical industry, the president said that in this direction a considerable advance had been achieved by the manufacturers in spite of the difficulties—some natural and some created by the Government. There has been in the past a sort of lack of confidence in pharmaceutical products produced by Indian manufacturers. It might be true,

continued, that the products of some important manufacturers might be lacking proper standardisation, but taken by the large Indian pharmaceutical products are all of high standard and quality comparable with those of any foreign make.

It was highly regrettable, Dr. Hamied continued, that the Drugs Technical Advisory Board, which had been formed for purposes of controlling the quality and standard of drugs, consisted mainly of government officials and medical men. Representatives of the Association—experts in pharmaceutical manufacture whose presence on the Board was absolutely essential, had not been included. The progress, however, in the pharmaceutical industry, had been considerable. India was self-sufficient today in the production of biologicals, spirituous preparations and some of the important alkaloids. Several new chemicals were now being made which have so far been imported, particularly potassium permanganate, chloral hydrate, tartaric acid, calcium lactate, chloroform, ethyl chloride, nicotinic acid, etc. Among the alkaloids, strychnine, caffeine, morphine, codeine and to some extent emetine, were being produced in India. So was antonin. India abounded in raw materials for the manufacture of alkaloids.

A very encouraging development in the pharmaceutical trade had been the export of medicines and drugs made in India to countries round about India, such as Egypt, Turkey, Persia, Iraq, East and South Africa, and Ceylon. For the first time these countries, which were in the past importing medicines exclusively from France, Germany, England and America, had purchased their requirements from India.

Scarcity of Quinine

One glaring instance of neglect on the part of the Central Government, Dr. Hamied said, had been the policy followed in respect of quinine. The Government had refused to release any supplies of quinine produced at Government factories to the Indian manufacturers. The reason given from year to year was acute shortage. No steps had been taken to remove this alleged shortage. Suitable land for the extensive plantation of cinchona was available in India. The story of quinine was almost a scandal. Manufacturers who needed quinine for the production of anti-malarials had been glad when after the cessation of hostilities the Government removed the Essential Drugs Control Order from this important raw material. With the improvement in external trade and shipping facilities, quinine supplies became available and some English firms agreed to export it from England. Much to the relief of manufacturers the price of quinine became nearly normal. The Director General, Indian Medical Service, for reasons unknown had become unduly anxious and had soon issued another ordinance through the Department of Industries and Supplies to freeze all quinine arriving from England. The plea given by the Health Department was that the Government required quinine themselves and they must take possession of all imported quinine.

Indian Manufacturers' Visits

The president then described the visits of the delegation of chemical manufacturers to United Kingdom and the United States of America for the purpose of studying the developments in the sphere of chemical and pharmaceutical industry during the past ten years. They were much struck by the cordial reception given to them by almost all the important chemical and pharmaceutical manufacturers; these firms went out of their way to explain to them the various processes and technical details.

CORRESPONDENCE

Correspondents may adopt an assumed name, but must in all cases furnish their real name and address to the Editor.

Pharmacists and a Sense of Humour

SIR,—Your correspondent D.J. (C. & D., January 25, p. 125) objects to the statement that clients are a humourless lot. The rest of his letter, however, does not support his position in the least. He states that they are good fellows and render excellent service yet need outside interests. (He does not say that they get them.) All this is true, but has nothing to do with a sense of humour. Having been in the business for forty-three years in various parts of the country, I have no hesitation in saying that the pharmacist with a sense of humour is, in my experience, an exception.

Yours faithfully,

Rochdale.

JOHN B. PARRY.

"Light, More Light"

SIR,—I quite agree with recent remarks from correspondents on the dictatorial methods in vogue at 17 Bloomsbury Square. The Pharmaceutical Society's Council seems to cloak itself behind heavy curtains of secrecy, and as a result the impression is inevitable that it does very little. It is no doubt necessary to have many committees working on special problems—which may be of little or no interest to the rank and file of pharmacists—but members would like to know a little more about our Councillors—what have they done, individually, in and for pharmacy?

Yours faithfully,

Nottingham.

J. R. DAVIS-JOHNS.

SIR,—May I ask the courtesy of your columns to thank the contractors on the Middlesex Panel who contributed to the "Thanksgiving for Victory" appeal for the Benevolent Fund of the Pharmaceutical Society by deductions from their Insurance accounts. The sum of £280 has been sent to the Society, of which £100 has been allocated for the purchase of an article of furniture for the Convalescent Home at Birdsgrove House and the remainder to the general funds. The Society has expressed its gratitude to the committee and to all who contributed.

Yours faithfully,

R. H. ROWSON, *Chairman*,
County of Middlesex

Pharmaceutical Committee.

London, W.C.1.

Travel to South Africa

SIR,—Between 30,000 and 40,000 people are wanting, but unable to obtain, overland transportation to South Africa. It may be of interest to them to know that the Club for Overland Parties to South Africa, with the assistance of various authorities in other countries, is arranging for its members to travel to South Africa by overland routes.

C. HOWARD THOMAS.

Co-ordinating secretary.

Club for Overland Parties to South Africa.

Vernan, Cornwall.

COMING EVENTS

Sunday, February 2

MANCHESTER BRANCH, NATIONAL PHARMACEUTICAL UNION, Midland Hotel, Manchester, at 2.45 p.m. Mr. G. A. Mallinson, M.P.S., on "Current Pharmaceutical Affairs."

Monday, February 3

WEST KENT BRANCH, PHARMACEUTICAL SOCIETY, Central Library, Beckenham Road, Beckenham, 7.30 p.m. Discussion by retail, hospital and manufacturing pharmacists.

BIRKENHEAD AND WIRRAL PHARMACISTS' ASSOCIATION, Methodist School Rooms, Grange Road, Birkenhead, at 7.30 p.m. Film show: "Colloids in Medicine."

Tuesday, February 4

PRESTON PHARMACISTS' ASSOCIATION, Bull and Rose Hotel, Church Street, Preston, at 7.30 p.m. Mr. Charles Beavan, Ph.C. (Parke, Davis & Co.) "The Riddle of Allergy" (illustrated with lantern slides).

UNIVERSITY COLLEGE, LONDON, Physiology Lecture Theatre, Gower Street, London, W.C.1, at 8 p.m. Dr. F. Bergel on "Symptomatic Drug Synthetic Analgesics, Antispasmodics and Hysterics."

NORTHERN IRELAND SECTION, CHEMICAL SOCIETY, Chemical Lecture Theatre, Queen's University Belfast, at 7.30 p.m. Mr. R. Belcher and C. L. Wilson on "Methods and Apparatus in Inorganic Micro-chemistry."

Wednesday, February 5

WALTHAMSTOW BRANCH, NATIONAL PHARMACEUTICAL UNION, Conway Hall, High Street, Walthamstow, London, E.17, at 8 p.m. Mr. D. G. Arc (May & Baker, Ltd.) on "Chemotherapy of Bacterial Infections."

Thursday, February 6

LONDON SECTION, CHEMICAL SOCIETY, Burlington House, Piccadilly, London, W.1, at 7.30 p.m. Mr. A. E. Alexander, B.Sc., Ph.D., on "The Application of Surface Chemistry to Colloid Problems."

Friday, February 7

ROYAL INSTITUTION, 21 Albemarle Street, London, W.1, at 9 p.m. Dr. James Gray on "Vitalism Old and New."

TRADE REPORT

of quotations for pharmaceutical chemicals represent the prices for wholesale quantities of standard quality. Prices of crude drugs and essential oils vary as to brand or grade.

Essex St., W.C.2, January 29

CONDITIONS in the markets for PHARMACEUTICAL CHEMICALS remain much the same as have obtained in recent weeks. The demand for British fine chemical products from overseas buyers continues on a good scale. Business in the home market is fairly active. There have been some minor adjustments, such as in the rates for ZINC SULFATE, to bring prices into alignment with recent advances in basic materials. A good demand is reported for ACETANILIDE. BENZALDEHYDE supplies are good and a fair business is being done in this product and BENZYL BENZOATE; supplies of the former's quality of the latter are improving. BENZOIC ACID, on the other hand, is still difficult to obtain.

Crude Drugs

The inquiry for AGAR persists but no lighter prospects can be discerned at present for this product. Curaçao ALOES continues to be a firm market and a similar tendency is shown in CANADA BALSAM. Both CARDAMOMS and CASCARA SAGRADA are very firm. Higher quotations are given for ERGOT, spot and shipment. A fair business is passing in GINGER. CANTHARIDES is in good demand for small lots; the market position is somewhat obscure. A good demand is reported for GUM ACACIA and all old-crop material has been cleared. Quotations for Talha are higher. IPECACUANHA continues firmer with no shipment offers. The JALAP on the spot has a test of 7.3 per cent. resin and the price is 5s. 3d. per lb. Brazil MENTHOL is easier for forward quotations and RHUBARB has an easier end. Quotations for SHELLAC are 20s. per wt. dearer for the better qualities. WAXES have shown an active market and there have been a number of changes in the prices of these products.

Essential and Expressed Oils

Few changes are reported in ESSENTIAL OILS. The forward position of CORIANDER is easier and lower quotations obtain for LEMONGRASS. Imported JUNIPER BERRY is available but the supply is only fair. Quotations for ROSEMARY are 1s. per lb. lower. NUTMEG is very scarce. At present no changes can be foreseen in the rates for EXPRESSED OILS. Sweet ALMOND OIL is available at prices ranging from 8s. 6d. to 10s. per lb., according to quantity.

U.S. Drug and Chemical Report

New York, January 24

A SHORTAGE of basic chemicals continues in the United States and there is little indication of an early improvement in the supply of bichromates, phosphates, alkalis or acetic acid. Production of coal tar chemicals has improved. Prices of FINE CHEMICALS are continuing to rise generally, in keeping with higher labour and basic material replacement costs. Quotations on ACETIC ACID, AMYL ACETATE, AMYL ALCOHOL, CALCIUM LACTATE and CARBINOL were advanced during the week. On the other hand, a reduction of about 5 cents per oz. in the price of SILVER NITRATE was noted—following the lowering of the quotation for the basic metal. Improvement in the supply of GLYCERIN has been noted; demand is still running far ahead of output. While the spot price for MERCURY has been maintained at about \$90 per flask, it is felt any increased demand would bring an immediate rise. MENTHOL prices have firmed somewhat and shipping prices from Brazil are reported slightly higher; it is estimated that stocks of this item in the U.S. are now between 35 and 50 tons.

More than 100,000 bags of CASTOR BEANS were imported last week, the largest shipment for some time. Botanical drug inventories are expected to be very low in June when stocks are counted. Featuring the list of imports during the week were nearly 3,000 cases of VANILLA BEANS from Madagascar—most of which had been sold prior to shipment however—and nine bales of BELLADONNA LEAVES from Australia. The market here for the latter material has been extremely tight for some time.

The improved ESSENTIAL OIL supply was maintained last week and further price reductions were noted. Price increases for Italian produce were reported however, and BERGAMOT OIL was advanced \$1.50 per lb. to \$5.85/6.50 per lb. EUCALYPTUS OIL continues in tight supply, despite the arrival this week of material from Australia and the Belgian Congo. Californian LEMON OIL has been advanced 25 cents per lb. to a basis of \$3.50; this is the first price increase since 1940. While the gradually easing position in AROMATIC CHEMICALS has continued this week, several items were marked up in keeping with higher raw material costs; included were AMYL SALICYLATE and prime BENZYL ACETATE.

Pharmaceutical Chemicals

ACETANILIDE.—Makers' quotations for 1-cwt. lots, in kegs, are 2s. 5d. per lb. for crystals and 2s. 6d. per lb. for powder.

ADRENALINE.—Quotations for natural are from 5s. 6d. to 6s. per gm., according to quantity; synthetic, from 2s. to 2s. 3d. per gm.

AMIDOPYRINE.—Quotations are in the region of 36s. to 37s. 6d. per lb., according to quantity. Supplies are limited.

AMPHETAMINE.—The price given by makers is 150s. per lb.

ANETHOLE.—Makers can supply limited quantities at 35s. per lb.

BENZALDEHYDE.—B.P.C. quality, in good supply, is quoted at 4s. 9d. to 5s. 6d. per lb., according to quantity.

BENZOIC ACID.—In poor supply. Current price is 2s. 9d. per lb., for small quantities.

BORAX.—Makers' prices are: B.P. quality, granulated, £38 per ton; crystal £39; powder, £39 10s. Commercial grades, £8 per ton less. Packed in 1-cwt. bags, delivered carriage paid in Great Britain, in 1-ton lots and upwards. These terms do not apply to Northern Ireland.

BORIC ACID.—Current rates per ton lots of B.P. quality are: Granulated, £60; crystal, £61; powder, £62. Commercial grades, £8 per ton less. Packed in 1 cwt. bags, delivered carriage paid in Great Britain, in 1-ton lots and upwards. These terms do not apply to Northern Ireland.

BROMIDES.—The prices for these products remain unchanged. **POTASSIUM**, in quantities of 28 lb., is quoted at the following rates per lb. (containers in brackets): 3s. 2½d. (1-lb.); 3s. 1d. (4-lb.); 3s. (7-lb.); 2s. 11½d. (14-lb.); 2s. 10½d. (28-lb.). **SODIUM**, 1½d. per lb. less, and **AMMONIUM**, 1½d. per lb. more, than above prices. Prices are net, without engagement.

DIAMORPHINE.—Prices per oz. are: **PURE**, ½ oz., 54s. 6d.; 1 oz., 52s.; 2 oz., 50s. 6d.; 3 oz., 49s. 9d.; 4 oz., 49s. 6d. **HYDROCHLORIDE**, ½ oz., 50s. 3d.; 1 oz., 47s. 9d.; 2 oz., 46s. 3d.; 3 oz., 45s. 6d.; 4 oz., 45s. 3d.

ETHYLMORPHINE.—Current rates per oz., in the home market, are: **PURE**, ½ oz., 57s. 6d.; 1 oz., 55s.; 2 oz., 53s. 6d.; 3 oz., 52s. 9d.; 4 oz., 52s. 6d. **HYDROCHLORIDE**, ½ oz., 49s.; 1 oz., 46s. 6d.; 2 oz., 45s.; 3 oz., 44s. 3d.; 4 oz., 44s.

GLYCEROPHOSPHATES.—Makers' rates per lb. for small quantities are as follows: **ACID**, 20 per cent., 8s. 3d.; **CALCIUM SOLUBLE**, 10s. 6d.; **IRON SCALE**, 11s. 9d.; **MAGNESIUM (INSOLUBLE)**, 10s.; **MAGNESIUM**

(**SOLUBLE**), 19s. 3d.; **MANGANESE**, 24s. 3d. **POTASSIUM**, 50 per cent., 5s. 11d.; 75 per cent., 7s. 9d.; **SODIUM**, 10s. 9d.; 50 per cent., 4s. 7d.; 75 per cent., 5s. 8d. Quantities of 7 lb., 6d. per lb. lower than above rates.

GUAIACOLS.—Supplies are improving. Quotations are as follows: **Liquid**, 16s. per lb.; **crystal**, 15s. per lb.; **carbonate**, 15s. per lb.

LACTATES.—Makers' current prices are as follows: **CALCIUM**.—28-lb. lots, 2s. 5½d. per lb. **CALCIUM SODIUM**.—28-lb. lot 3s. 6d. per lb. **LACTIC ACID**.—One carboy 3s. 0½d. per lb.; 12 winchesters, 3s. 2d.; winchesters, 3s. 3d.

MANDELIC ACID.—Current prices are as follows: 1 lb., 22s. per lb.; 4 lb., 20s. 3d. 7 lb., 18s. 6d.; 14 lb., 16s. 9d.; 28 lb., 15s.

SANTONIN.—Prices are unchanged; kilos, £44 per kilo; less than 5 kilos, £45 1 kilo, £46; half-kilo, £47; quarter-kilo, £48 per kilo; carriage paid in U.K.

STILBÆSTROL.—Quotations are from 2s. 3d. to 2s. 6d. per gram. **STILBÆSTROL DIPROPIONATE** is available at the same prices.

STRYCHNINE.—Makers advanced the price by sixpence per oz., with effect from January 20. New rates per oz. are as follows:—

Compound	Under 25 oz.	25 oz. and under 100 oz.	100 oz. and under 500 oz.
Alkaloid ...	s. d. 6 2	s. d. 6 0	s. d. 5 10
Bisulphate ...	5 4	5 2	5 0
Hydrochloride ...	5 11	5 9	5 7
Hypophosphite ...	9 8	9 6	9 4
Nitrate ...	5 11	5 9	5 7
Sulphate ... (neutral powder No. 2)	4 11	4 9	4 7
Sulphate ... (neutral crystal and powder)	5 6	5 4	5 2

SULPHANILAMIDE.—In good demand supplies are fair and quotations are easy at 7s. to 7s. 6d. per lb., according to pack.

TERPINEOL.—B.P. quality is quoted at 5s. per lb. for small lots.

THEOBROMINE.—Current prices per lb. in quantities of 28 lb., are as follows: **ALKALOID**, B.P.C., 30s. 6d.; **CALCIUM SALICYLATE**, 19s. 3d.; **SODIUM SALICYLATE**, 19s. 3d.

URETHANE.—Prices for imported materials are from 8s. 6d. to 10s. 6d. per lb.

VANILLIN.—Current rates are: 5 cwt 22s. per lb.; 1 cwt., 22s. 3d.; 56 lb 22s. 6d.; smaller quantities, 22s. 9d. per lb.

ZINC OXIDE.—New rates per ton, from January 1, are as follows: Red Seal, 58 15s.; Green Seal, £70 5s.; White Seal, 11 5s. Delivered in lots of not less than 10 tons. Holders of outstanding licences granted on or before December 31, 1946, will be covered at the prices obtaining on that date.

Crude Drugs

ALOE.—Curaçao is firm at 250s. to 255s. per cwt., spot; forward, from 235s. to 245s., c.i.f. Quotations for Socotrine Aloe at 185s., on the spot.

ANISE (STAR).—Steady. Quotations remain unchanged at 190s. to 210s. per cwt., on the spot; shipment, 120s., c.i.f.

ANTIMONY.—Current prices are as follows: 99.6 regulus, £157 10s. per ton, delivered; 99 per cent. regulus, £150 per ton, delivered.

ARECA NUTS.—Ceylon is firmly held at 65s. per cwt.; shipment, 62s. 6d., c.i.f.

BALSAMS.—*Canada* is quoted at 14s. 9d. to 15s. per lb. *Peru* is quoted at 7s. 9d. per lb., duty paid. A small supply of *Tolu* is available at 20s. per lb., on the spot; shipment, 18s. 6d., landed.

BENZON.—Sumatra is quoted at £25 to 27 per cwt., spot, for the best grades; float, £22 10s.; forward shipment, £15 to £17. A lower grade is offered at £22 per cwt., spot.

BISMUTH.—Current price for high-grade metal is 10s. per lb., in minimum 5-cwt. parcels.

BUCHU.—Old-crop material is available at 4s. 2d. to 4s. 3d. per lb.; new crop is quoted at 4s. per lb., c.i.f.

CALABAR BEANS.—Quotations are at 5s. 6d. to 1s. 7½d. per lb., ex warehouse Liverpool.

CALUMBA.—Spot quotations for washed root are from 80s. to 85s. per cwt. Natural root is offered at 55s. to 60s. per cwt.

CAMPHOR.—In good demand. Chinese tablets (¼-oz.) are quoted at 13s. 6d. per lb., spot; shipment is firmer at 11s. 9d. to 12s., landed, duty paid. Refined powder (B.P.) is firmer at 11s. to 11s. 6d. per lb., duty paid; crude powder, 9s. 3d. to 9s. 6d.

CANTHARIDES.—A good inquiry for small lots. Chinese, on the way, 15s. to 16s. per lb., landed.

CAPSICUMS.—East African is steady at 120s. to 140s. per cwt., according to quality.

CARDAMOMS.—A firm market. Mangalore, half-bleached, A's are quoted at 8s. 9d. per lb.; B's, 8s. 3d. per lb., spot. Aleppy

seeds, No. 1, are available at 7s. 9d. per lb.; Aleppy greens, 6s. 9d. to 7s. per lb., spot.

CASCARA SAGRADA.—Very firm. Quotations are held at 275s. to 290s. per cwt., duty paid, according to holder.

CASCARILLA.—Quills are quoted at 2s. 3d. per lb., on the spot.

CASSIA BARK.—Quoted at 75s. per cwt., in bond.

CASSIA PODS (*C. fistula*).—East Indian, in fair supply, is quoted at 90s. per cwt., ex wharf.

CHAULMOOGRA.—Quiet. *Hydnocarpus* is available at 2s. per lb., in tins in cases.

CHILLIES.—Mombasa are quoted at 165s. to 170s. per cwt., spot; Nigerian, 135s. to 140s.; Sierra Leone, 140s., spot. Japanese-type are offered at 190s. to 200s. per cwt., on the spot.

CINNAMON.—Quillings are quoted from 3s. to 3s. 3d. per lb., spot; featherings, from 2s. 8d. to 3s. 1d.; chips, sifted and washed, 1s. 9d. to 2s. per lb., spot; shipment, 1s. 3½d., c.i.f.

CLOVES.—Firm. Spot quotations are at 10½d. per lb.; shipment, 10¼d., c.i.f.

COCHINEAL.—Silver-greys, for the home trade, 4s. 6d. per lb., on the spot; blacks, very scarce, 5s. 9d. per lb.

COCOA BUTTER.—Controlled price remains at 1s. 7d. per lb., ex factory or warehouse.

COCONUT (DESICCATED).—Maximum controlled price is 74s. 8d. per cwt., ex store.

COLOCYNTH.—Quiet. Fine-white is steady at 2s. 6d. per lb., spot; medium-white, 2s. 3d. per lb.

DIGITALIS.—Portuguese is steady at 130s. per cwt., spot; English-grown, from 2s. 3d. to 2s. 6d. per lb.

ERGOT.—Firm. Quoted at 4s. 9d. to 5s. per lb., spot; to arrive, 4s. 9d., c.i.f.

EUPHORBUM.—Steady. Quoted at 75s. per cwt., on the spot.

GALANGAL.—Forward quotations are unchanged at 75s. per cwt., c.i.f.

GALBANUM.—Spot stocks are exhausted and no shipment offers are being made.

GENTIAN.—Root of French origin is offered at 112s. per cwt., spot.

GINGER.—Jamaica No. 1 is quoted higher at 125s. per cwt.; No. 2, 115s.; No. 3, 105s. to 107s. 6d., spot. African, 75s., spot; new crop, February-March, 63s., c.i.f., sellers.

GUM ACACIA.—Firm. Kordofan cleaned sorts are quoted at 77s. 6d. per cwt., spot;

new crop, February-March, 74s. 6d. per cwt., c.i.f. Bleached No. 1, 145s., ex store. Talha, cleaned, 46s., spot; forward, 43s. 6d., c.i.f.

GUM MASTIC.—Quoted at 17s. per lb., duty paid, for No. 2 material.

HENBANE.—Indian leaf, steady at 250s. per cwt., spot.

HENNA.—Indian leaves, to arrive, quoted at 1s. 5d. per lb., landed.

HYDRASTIS.—Quoted at 60s. per lb., spot; forward, 57s., c.i.f.

IPECACUANHA.—Firm. Nicaraguan root is quoted at 29s. to 29s. 6d. per lb.; no shipment offers are reported.

JALAP.—Vera Cruz with a test of 17.3 per cent., 3s. 6d. per lb., spot.

JUNIPER.—Firm. Italian berries are quoted from 56s. to 65s. per cwt., according to quality.

KAMALA.—In very short supply. Quotations are at 3s. per lb., spot.

KARAYA.—No. 1 gum is quoted at 215s. to 220s. per cwt., spot; No. 2, 170s.

KOLA NUTS.—African quarters are quoted at 7½d. per lb.; African halves, 5d. to 6d., according to quality; Jamaican washed halves, 5½d. per lb.

LIQUORICE ROOT.—Anatolian whole root is steady at 60s. per cwt., on the spot. Turkish juice (block) is quoted at 250s. to 260s., spot; forward, 190s., c.i.f.

LOBELIA.—Spot quotations are unchanged at 6s. per lb. Difficult to locate.

MACE.—Firm. West Indian pale is quoted at 8s. per lb., landed; pickings, from 5s. to 6s. per lb., according to quality.

MENTHOL.—Brazil is steady at 41s. 6d. to 42s. 6d. per lb., spot; forward, easier at 35s., c.i.f. Chinese, in more demand, is steady at 47s. 6d. per lb., duty paid.

MERCURY.—Spot quotations are at £20 15s. to £21 per flask, ex warehouse; for shipment, £20 6s., c.i.f.

MYRRH.—Aden sorts are available at £14 to £17 per cwt., according to quality; siftings, £8 to £10 per cwt.

NUTMEGS.—West Indian 80's are quoted at 5s. per lb., spot; for shipment, 4s. 3d., c.i.f. Sound unassorted, 4s. 3d., spot; wormy and broken, 4s., spot.

NUX VOMICA.—Madras, steady at 40s. to 42s. 6d. per cwt.; Mangalore, 40s.; Cochin, 43s. 6d. to 45s., spot.

OLIBANUM.—Fine drop is quoted at 250s. per cwt.; pea, 240s. to 250s.; garblings, 180s.; seeds, 175s.

ORANGE PEEL.—Spanish quarters steady at 1s. 6d. per lb., spot; sweet ribbon, 1s. 9d. per lb. Italian bitter quarters are quoted at 1s. 6d. per lb., spot.

ORRIS.—Firm. Florentine is quoted at 140s. to 150s., according to holder.

PAPAIN.—East African white, 30s. per lb. spot, nominal.

PIMENTO.—Spot quotations are at 1s. 0½d. per lb., sellers; forward, 12s. 6d., c.i.f.

QUILLAIA.—Natural bark, quoted at 130 per cwt.; cut, 150s., ex store.

QUINCE SEEDS.—Cape is quoted at 6s. 9d. per lb., on the spot.

RHATANY.—Steady. Spot quotations are unchanged at 11d. per lb.

RHUBARB.—Chinese rough round with fair fracture, 9s. 6d. to 10s. per lb., according to quality; forward, 7s. 6d. to 8s. per lb., c.i.f. Poorer material, 7s. 6d. to 8 per lb., spot; forward, 6s. 9d., c.i.f. French rhapontica is available at 2s. 3d. per lb. spot.

SANDARAC.—Quotations are at 6s. per lb. ex store London.

SARSAPARILLA.—Jamaica native resin, 2s. 4d. to 2s. 6d. per lb., according to holder.

SEEDS.—ANISE.—Spot, Cyprus, 2s. 5d. per lb., ex wharf London or Liverpool.

CELERY.—Spot, Indian, 1s. 5d. to 1s. 6d. per lb., ex wharf Liverpool.

CORIANDER.—Spot, Indian quoted at 62s. 6d., ex wharf Liverpool. Morocco offered at 65s., duty paid, ex wharf London; shipment is quoted at about 52s. 6d., c.i.f. for 1946 crop.

January-February shipment. CUMIN.—Spot, Cyprus, 230s., ex wharf London. Indian, 235s., landed Liverpool. Morocco, 235s., duty paid, ex wharf London.

DILL.—Spot, Indian, 50s., ex wharf London; 47s. 6d., ex wharf Liverpool.

FENNEL.—Spot, Indian, 150s., quoted ex wharf London.

FENUGREEK.—Spot, Indian, 55s., ex wharf London; 52s. 6d., ex wharf Liverpool. A steady market.

SENEGA.—Spot quotations are held at 15s. per lb.

SENNA.—Tinnevely leaves, spot, No. 1, 1s. 2d.; No. 2, 10½d.; No. 3, 10d.; No. 4, 8½d. Tinnevely pods, hand-picked, 10½d. to 1s. 4d.; manufacturing, 6d. to 6½d.

Alexandrian pods, hand-picked, spot, from 4s. 3d. to 4s. 9d., according to quality medium, 2s. 9d.; manufacturing, 1s. 9d. to 2s. per lb.

SHELLAC.—Firm. Spot quotations, ex warehouse London, are as follows: F.O.T.N., pure, quoted at 340s. per cwt.

F.O. standard, No. 1, 355s.; F.O. lemor

1, 370s.; F.O. lemon, No. 2, 355s.;
 2, garnet, 365s., buttonlac, 360s. per cwt.
STROPHANTHUS.—In limited supply.
 Ambé seed, 100 per cent., is available at
 11s. per lb.

SQUILL.—Firm. Quotations are at 70s.
 per cwt., on the spot.

STRAMONIUM.—Indian leaf is firmly main-
 tained at 95s. per cwt., on the spot.

STYRAX.—Small quantities are available
 at 10½d. per lb., duty paid.

TONKA BEANS.—Frosted Para is at 5s. to
 6d., on the spot, as to holder.

TRAGACANTH.—Selected grades are
 quoted at £155 per cwt. Other grades are
 as follows: No. 1 white, £145 per cwt.;
 No. 2 white, £125; No. 3 white, £110;
 No. 4 white, £85; pale leaf, £50; amber
 leaf, £45; dark amber, £35; brown leaf,
 25; red-and-brown leaf, £20; red leaf
 10m £17; hoggy, £12 to £15 per cwt.

TURMERIC.—Madras finger is quoted at
 8s. 6d. to 100s. per cwt., spot.

VALERIAN.—Belgian root is steady at
 240s. per cwt., according to holder.

WAXES.—**CARNAUBA.**—Fatty grey is at
 2000s. per cwt., spot; February-March
 shipment, 870s., c.i.f. Chalky grey, 930s.
 per cwt., spot; shipment, 850s., c.i.f. Prime
 yellow, 1,120s. per cwt., spot; February-
 March shipment, 1,050s., c.i.f. **CAN-
 DILLA.**—Spot, 445s. per cwt.; forward,
 450s., c.i.f. **BEES.**—Dar-es-Salaam, spot,
 35s. per cwt.; shipment, 350s., c.i.f.
ANGUELA. spot in bond, 320s. per cwt.,
 nominal; shipment, 315s., c.i.f. **Lindi,**
 37s. 6d., spot; shipment, 345s., c.i.f.
Indanese, spot, 350s. per cwt., duty paid;
 shipment, 315s., c.i.f. **MONTAN.**—Crude
 Czechoslovakian, 355s. per cwt., spot.
URICURI.—5 per cent., 535s. per cwt., spot;
 shipment, 6 per cent., 480s., c.i.f.

Essential and Expressed Oils

ALMOND.—B.P. sweet is available at
 8s. 6d. to 10s. per lb., according to quantity.

BAY.—West Indian, quoted at 8s. to 9s.
 per lb., on the spot.

CADE.—Spot quotations, 5s. per lb.,
 nominal.

CASSIA.—Quotations are from 18s. to
 19s. per lb., on the spot, according to
 quantity.

CASTOR.—Current prices per ton are:
 Firsts, £110; seconds, £108, naked ex
 works.

CINNAMON LEAF.—Spot quotations are
 from 17s. to 18s. per lb., as to quantity;
 forward, easier.

CITRONELLA.—Ceylon is steady at
 13s. 9d. to 14s. 9d. per lb., spot; forward,
 11s., c.i.f.

CLOVE.—English-distilled oil is quoted at
 11s. to 12s. per lb., according to quantity.

CORIANDER.—Quotations for English-
 distilled oil are from 225s. per lb., accord-
 ing to quantity.

FENNEL.—Sweet oil is steady at 25s. per
 lb., on the spot.

GERANIUM.—Bourbon is quoted at 85s. to
 90s. per lb., spot, as to quantity.

GINGER.—Quoted at 80s. to 100s. per lb.,
 according to quality.

GUAIACWOOD.—Quoted at 18s. to 19s.
 per lb., spot, according to quantity.

JUNIPER BERRY.—Quotations for English-
 distilled oil are at 175s. per lb. Imported
 oil, in short supply, is quoted at 40s. to 50s.,
 spot.

LAVENDER.—French oil (38 to 40 per
 cent. esters) is steady at 62s. 6d. to 67s. 6d.
 per lb. Spanish (spike) is available at 15s.
 per lb., spot.

LEMONGRASS.—Cochin is quoted on the
 spot at 19s. to 20s. per lb.; forward quota-
 tions are easier at 16s., c.i.f.

LIME.—West-Indian distilled oil is
 steady at 35s. per lb.

LINSEED.—Controlled price for crude oil
 is £135 per ton, naked, ex works.

NEROLI.—Forward quotations are in the
 region of 70s. per oz., c.i.f.

NUTMEG.—Scarce. English-distilled oil
 is quoted at 77s. 6d. per lb., nominal.

OLIVE.—Controlled price of edible, 1 per
 cent., is 47s. 9d. per gall. of 9 lb., ex store
 London, in 45-50 gall. drums.

ORIGANUM.—Quotations remain at 21s.
 per lb., on the spot.

PALMAROSA.—Spot, quoted at 50s. per
 lb.; shipment, firmer at 45s. per lb., c.i.f.

PATCHOULI.—Singapore, shipment is
 quoted at 200s. per lb., c.i.f.; Seychelles,
 shipment, 120s., c.i.f.

PIMENTO BERRY.—Steady. English-dis-
 tilled oil is quoted at 57s. 6d. per lb.

RAPESEED.—Controlled price, for bulk
 supplies of crude oil, remains at £91 per
 ton, naked ex works.

ROSEMARY.—Easier. Spanish quoted at
 9s. 6d. to 11s. 6d. per lb., according to
 quantity.

THYME.—Red oil (40 to 42 per cent.
 phenols) is quoted at 20s. per lb.; white
 oil is quoted at 22s. 6d. per lb., on the spot.
 In good supply.

OVERSEAS TRADE NEWS

Proprietary Medicines in South Africa.—The South African Medical Association is appealing to the Government to introduce a Bill to control proprietary medicines.

Turkish Olive Oil Production.—In 1946, an estimated total of 35,000 metric tons of olive oil was produced, compared with 32,000 tons in the previous year.

Saxony's Soap Production.—About 150 factories in Saxony are now producing soap or washing powders of some type, eighty of them for the civilian market, according to the British News Service in Germany.

U.S.S.R. Vitamin Production.—During 1947 the production of vitamins in the Soviet Union will be considerably increased with the construction of new factories including a new synthetic ascorbic acid plant near Moscow.

France Relaxes Trade Controls.—French imports from Canada are governed by the individual import licence system as from January 1, according to an official statement. Medical products will still be imported by the French import agencies.

Argentine-Swiss Agreement.—Switzerland will receive edible oils, tallow and lard from Argentina under a new commercial treaty between the two countries. In exchange she will send Argentina chemical and pharmaceutical goods, machinery and other products.

Canadian Imports.—The Dominions' imports in October 1946, of drugs and medicines, totalled \$747,000, compared with \$825,000 for the corresponding month of 1945. Imports of perfumery, cosmetics and toilet preparations increased to \$52,000 as against \$38,000 for October 1945.

Removed from I.E.F.C. Allocation.—As world trade supplies have been built up since the end of the war, argols and tartaric acid have been removed from the reserve list of commodities under allocation recommended by the International Emergency Food Council.

International Patents Agreement.—Under an agreement signed by twelve of the twenty-one United Nations, all German patents seized during the war will be "placed in public domain or continuously offered for licensing without royalty to nationals of all governments who signed the accord," states a Washington report.

U.S. Chemical Exports.—It is estimated that the total exports of chemicals and allied products from the United States in 1946 will reach \$550,000,000, of which medicinal products will be represented by one-third of the total. Mexico, China, Brazil, Cuba, Philippine Republic and Canada, in that order, were the best markets in the first half of the year.

Production in Palestine.—With increasing imports of pharmaceutical products and cosmetics into Palestine, home production has been curtailed, states a recent report. The industries had shown considerable expansion during the war when European supplies were small. It is expected that lost ground will now be regained by systematic production.

East Africa Groundnut Scheme.—Tanganyika's vast groundnut scheme will help ease the world of the shortage of oil. It has been carried a step further with the arrival at Dar-es-Salaam of several experts of the United Africa Company. The company was appointed by the British Government to operate the groundnut scheme on behalf of the Government, as actual development areas have already been selected in Tanganyika.

German Export Drive.—A great export drive from the British and U.S. zones in Germany will be launched this month as officials have gone to the Ruhr to urge miners to step up coal production. At present, exports for the two zones combined are valued at about £25,000,000 a year. The target for 1947, a British official disclosed recently, is £87,500,000, and for 1948 and 1949, £168,750,000 and £225,000,000 respectively. Items to be exported include optical goods, chemicals and pharmaceutical products.

Import Restrictions Lifted.—Of British goods imported into Australia only a few will now be subject to import control. The short list of items remaining under control includes: perfumed spirits, perfumes, fancy goods, toilet cases and fancy boxes. The controls remaining will in general be exercised in such a way as to permit a reasonable flow in relation to pre-war trade and all items on the list are subject to administrative control so that individual applications may be considered on their merits. Controls will remain on goods from other parts of the sterling area and from non-sterling areas.

BUSINESS QUERIES AND ANSWERS

Subscribers are invited to address inquiries to the Editor on problems of management, accounts, stock-keeping, taxation. To ensure that no information of a confidential nature is disclosed to a competitor, replies will be given under initials or a pseudonym. It is necessary to forward documents, copies only and not originals should be sent.

Auditors' Reports

Would you please state the scope and content of auditors' reports in (1) a company with branches, and (2) a holding company which does not annex consolidated statements to its annual accounts.—C. C."

Auditors should make reports to members on accounts examined by them and on every balance sheet and profit and loss account (or income and expenditure account) laid before the company in general meeting during their tenure of office. The report should state whether in the auditors' opinion proper books of account have been kept or, in the case of a company with branches whose books have not been examined by the auditors, whether proper books of account have been kept at the principal office and branches visited, and if proper accounts and returns have been received from other branches. The report must state whether or not the auditors have obtained all the information considered necessary for their audit, and also whether the balance sheet and profit and loss account (or income and expenditure account) are in agreement with the books, accounts and returns, and whether in their opinion the accounts are properly drawn up and exhibit a true view of the state of the company at the date of the balance sheet. For a holding company which does not submit consolidated accounts, the auditors' report should state whether in their opinion the reasons given by the directors for not presenting consolidated accounts are satisfactory, and whether the particulars of profits or losses (or net income or net expenditure) and the qualifications in the auditors' reports upon the accounts of subsidiary companies have been properly compiled from the information obtained in such accounts and reports. Every auditor of a company has a right of access at all times to the books, returns, accounts and vouchers of the company, and is entitled to require from the directors and officers of the company such information and explanations as are in his opinion necessary for the performance of his duties. Auditors are entitled to receive notice of and attend any general meeting of the company, and to make any statement or explanation they desire at such meeting.

Duplicating Tablet

"Is there any way of duplicating so that trade purchases can be recorded and posted to the respective personal accounts in a single operation?—I. V."

By use of a tablet which enables original entries to be duplicated, some chemists write up the purchases book and post to the ledger at the same time. Incorrect posting is practically eliminated and there is no danger of an account being wrongly replaced. For the collection, dissection and checking of certain sections of work, control sheets can be employed, and, while the posting is covered by one entry, the items can be classified in any way desired. When the personal accounts of suppliers have been withdrawn from the cabinet and placed upon the journal and carbon sheet in the tablet, the credit entries can be made in each account, and, when all invoices have been posted, the total cost can be inserted on the debit side of the stock account. If it is desired to analyse the purchases under several headings, a journal with a sufficient number of money columns should be used, the figures being extended by the book-keeper and the analytical totals posted by placing the purchases sheet over the journal.

Costing and Overheads

"We should like to inaugurate a system of costing, but the staff find it difficult to determine exactly what our overheads are.—J. G."

The term "overheads" is rather vague, but it is usually intended to apply to such items as rent, rates, taxes, insurances, power, lighting, heating, administration expenses and depreciation. Each business has its own scale and its own depreciation charge depending on the amount of equipment to be kept going. Overheads can be said to include all costs other than those for trade purchases and wages. From the annual profit and loss account it is usually possible to ascertain the percentage relation of each group of expenditure. Provision for overheads is sometimes made by adding a percentage to the cost of purchases and wages, and when monthly costing figures are compiled, one-twelfth of the annual charge under each heading may be incorporated.

TRADE MARKS

(From "The Trade Marks Journal,"
January 8)

"SYNTRA"; for fly papers (5). By Synthetic Waxes, Ltd., Lumley Street, Radford Road, Nottingham. 642,650.

"LAWBRO"; for veterinary preparations (5). By John Stokes & Co., Stonehouse Road, Etching Hill, Rugeley, Elstree, Staffordshire. 644,254.

"DANDROLA"; for medicated preparations for the treatment of the hair and scalp (5). By Stirling Chemical Products, 9 Mill Street, Ballymena, Antrim, Northern Ireland. 652,095.

"ITONIA"; for electrical apparatus and appliances included in this class (9). By David Sidney Bilantz, 3 Leeds Place, London, N.4. 642,959 (Associated).

"SPECTO"; for scientific apparatus and instruments and photographic, cinematographic and optical apparatus and instruments (9). By Specto, Ltd., Vale Road, Windsor, Berkshire. 643,209.

APPLICATION MADE TO THE CUTLERS' COMPANY, SHEFFIELD.

"FALCON"; for safety razors and safety razor blades (8). By Morgan Fairest, Ltd., Fairway Works, Sorby Street, Sheffield, 4. 644,642/7732S.

(From "The Trade Marks Journal,"
January 15)

"KOS"; for oils, essences, powders, lotions and creams, all being non-medicated toilet preparations, lipsticks, toilet rouge, toilet oatmeal, toilet waters, depilatory preparations, manicure toilet preparations, bay rum, hair setting lotions, cosmetic preparations for the legs, eyebrows and eyelashes, none of the aforesaid goods being saponaceous (3). By Knott Bros., 1 Blackburn Road, Bolton, Lancs. 641,247 (Associated).

"SULFATEX"; for toilet preparations, not medicated, being preparations of sulphur or of sulphur derivatives (3). By Louis Maurice & Co., Ltd., 80 Islington High Street, London, N.1. 642,668 (Associated).

"BLANSKIN"; for shaving preparations (not medicated) (3). By William Fletcher, Normanhurst, Rusper, Horsham, Sussex. 644,585.

"PANTEEN"; for medicated preparations for human use in the treatment of the hair and scalp (5). By Roche Products, Ltd., 40 Broadwater Road, Welwyn Garden City, Hertfordshire. 642,685.

"SUMMER'S DREAM" (word "Summer disclaimed"); for soaps, perfumes, essential oils, cosmetic preparations (being toilet preparations), hair lotions and dentifrices (3). By Septisol, Ltd., 207 Clarendon Road, Manchester, 644,339.

"GRANDMASTER"; for soaps, toilet preparations (not medicated), cosmetic preparations, hair lotions, hair creams, toilet articles not included in other classes (3). By Amovon, Ltd., Wyn Laboratories, Southfield Lane, Bradford, Yorks. 644,570.

"TEXORA"; for soaps and cleaning, polishing, scouring and abrasive preparations (3); for disinfectants and insecticides (5). By Textino, Ltd., 1 Kay Street, Manchester, 11. 644,689-90 (Associated).

"THEO-PROMITONE"; for pharmaceutical preparations and substances (5). Bayer Products, Ltd., 14 Water Place, Pall Mall, London, S.W. 643,527 (Associated).

"ARYMOL"; for pharmaceutical preparations of thymol di-iodide (5). By Bayer Products, Ltd., 14 Waterloo Place, Pall Mall, London, S.W.1. 643,534.

"GAYN-GESTEN"; for pharmaceutical preparations for internal human use (5). By Leslie Gayner Hellens, North Pharmacy, North Hill, Plymouth. 643,871.

"MENTICULE"; for medicated cough lozenges (5). By Sweetule Products, Ltd., 38 Church Street, Radcliffe, Manchester. 644,420.

"PLESMELL"; for deodorants (5). William Fletcher, Normanhurst, Rushmore, Horsham, Sussex. 644,586.

"MENODON"; for pharmaceutical preparations for human use (5). By Clinica Products, Ltd., 2 The Green, Richmond, Surrey. 644,774 (Associated).

"SANILAV"; for medicated toilet paper (14). By A. Ibbetson & Co., Ltd., Works, Great North Road, Stevenage, Herts. 644,914-15 (Associated).

"TRILENE"; for all goods (10). Imperial Chemical (Pharmaceutical) Ltd., Wexham Road, Slough, Bucks. 644,411.

"Two Trix" (in distinctive lettering); for hair, hat, nail, bath, clothes, tooth shaving brushes (21). By Pryce, Wright & Co., Ltd., 74 Cherry Orchard Road, East Croydon, Surrey. 642,932 (Associated).

February 1, 1947

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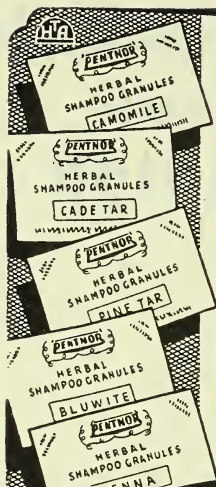
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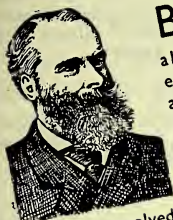
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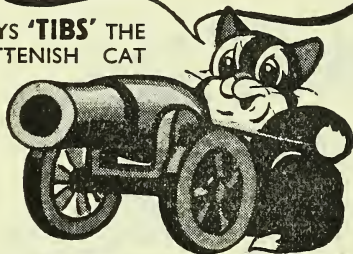


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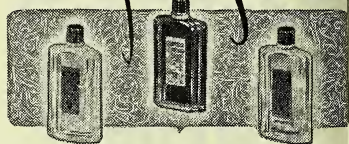
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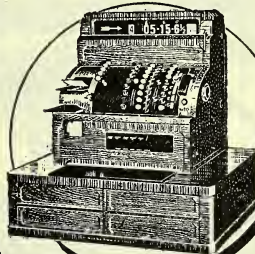
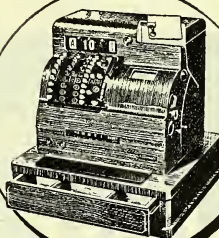
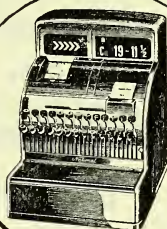
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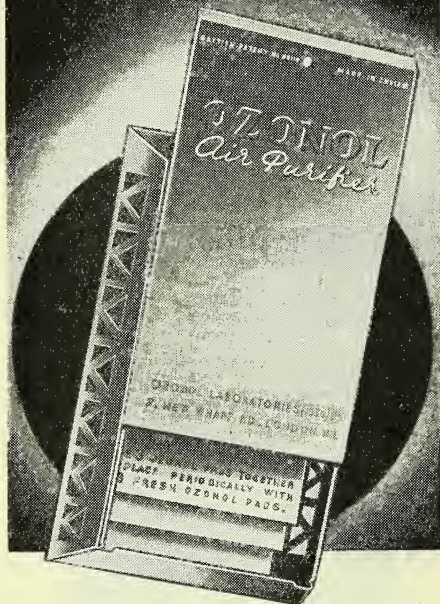
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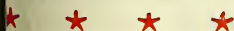
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THE NORTH BRITISH RUBBER COMPANY LIMITED
EDINBURGH AND LONDON

PROMPT DELIVERY FROM STOCK

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Lozenges
Relieve Sore Throats
Disinfect mouth,
throat, chest

1/-, 1/10, and 12/6
sizes

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Antiseptic Skin
Balm
Contains 3 active
antiseptics
Soothing, healing,
Flesh coloured
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Non-greasy

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2/- and 3/6 per jar

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for a deep red and bril-
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for bricks, cement,
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sizes

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Dandruff
Remedy
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For a healthy scalp
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3/6 per bottle

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For Children's Hair
Removes all vermin in
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For a closer, cleaner,
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lovely skin

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Brushless Shaving
Cream
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Triple Gloss Hair
Cream for men who
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Car Polish
For a glorious shine
in a fraction of the
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Beautifies the coach-
work, leather and
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Retail 3/6 per large
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Gives an easier,
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Brings out the beauty
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Beauty preparations
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VANDYK

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Shoe Creams

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in all fashionable
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Retail 1/- per jar

RESTORE your

Hair to its original
colour

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Brings back
Youthfulness to grey-
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5/6 per bottle

CHYLAX

The gentle laxative
for infants and all ages
3/6 and 6/6 per bottle

Send stamp for details, stating lines in which you are particularly interested, to

The BRITISH SURGICAL & DRUG CO., LTD.

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Tel : Regent 7200 (10 lines)



Watch for EDME Autumn Sun

EXTRACT OF MALT
WITH COD LIVER OIL

ADVERTISING CAMPAIGN THIS SEASON

FREE

An attract ve Show Card in Full Colours (only 9½ x 8½ inches) needs no strutting or fixing, a 1-lb. jar in the centre of stand makes a rigid display.

For years EDME Malt and Oil has been distributed through thousands of Chemists all over the County under their "own name" labels. NOW we are offering under the branded name "AUTUMN SUN" a line of Malt and Oil which is equal and in many respects superior to anything on the market. Retail prices are right. Trade Discounts generous. Further particulars from—

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'Phone: Regent 5563-4

'Grams: "EDME," Piccy London.

Works: MISTLEY, ESSEX

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SUPPLIES OF THE NEW INSECTICIDE

BRETTS DDT GEIGY.

ARE NOW AVAILABLE.

SEND A POSTCARD NOW

To the Sole Distributors:
JEN-FEM SALES LTD.
STOCKPORT ROAD,
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PRICE 10/- PER DOZEN

Manufactured by

Dr. BRETTS LABORATORIES • SALFORD.

1/3 SPRINKLER BOX

Introducing - Supol

HAEMORRHOIDAL
SUPPOSITORIES
FOR RAPID RELIEF

A new and highly ethical product containing benzocaine and ephedrine. SUPOL is designed to give immediate relief and lasting comfort for haemorrhoidal pains, rectal irritation, etc. NOW BEING ADVERTISED. Distribution through chemists and

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PUBLIC price 3/4 inc. tax

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Give your Beauty and Toilet pre-
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Essences—they are used by almost
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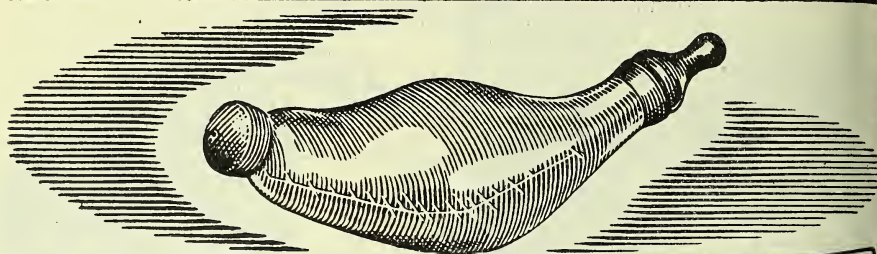
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The Original Seamless
MOULDED HEAT CURED
TEATS & VALVES

Still made to the same unapproachable
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To retail at 6d. each. Supplies are still not
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Lullaby
CAN BE STERILISED CONTINUALLY
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LINTS · BANDAGES
COTTON WOOL
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the preferred

ASTHMA TABLET

THREE SIZES: 1/1½, 3/4½ & 11/10 1 CL.

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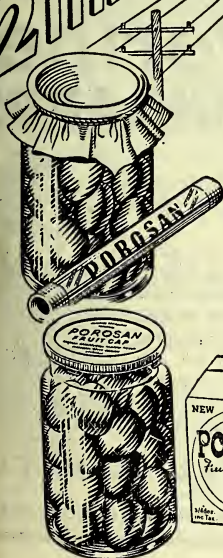
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2 lines *YOU SHOULD NEVER BE WITHOUT*



"POROSAN"

(original)

No. 1 Fruit Preserving Skin (Recommended for Oven Method). Can be cut to fit any size or shape of jar or bottle and can be used over and over again. In rolls, 1/6 (six 2 lb. jars). In rolls, 4/- (eighteen 2 lb. jars). Tax free.

"POROSAN"

Fruit Caps and Skin Rings (Recommended for the Oven and Water Methods) for sealing 1 lb. and 2 lb. Jam Jars. In 3 packs. One Pound (12 Caps and Rings) Two Pound (12 Caps and Rings) "Fifty-Fifty" (6 each size) 3/4 per doz., inc. Tax.

Spare rings 10d. per doz. Tax Free.

Don't Forget To Order Replacement Rings As Well

Sole Distributors to the Trade:

S. MAW, SON & SONS, LTD.

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Marketed by:

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*At the London
Medical Exhibition*

**238 DOCTORS
ASKED for SAMPLES
OF LIL-LETS**

At the London Medical Exhibition, held recently, 530 doctors visited the Smith & Nephew stand. 238 asked for samples of Lil-lets. The reason to this growing interest is simple. More and more women are using Lil-lets. Doctors are sometimes asked for advice on the use of sanitary tampons. Naturally they wish to examine Lil-lets before giving an opinion.

Women are buying Lil-lets because Lil-lets are convenient. Lil-lets are of highly absorbent cotton wool, *wholly contained* in the absorbent gauze to eliminate risk of disintegration; they are coated with an instantly soluble innocuous film for easy insertion. They are comfortable and invisible in use. The carton of 12 is no bigger than a spectacle case—it slips easily into handbag or pocket. Lil-lets are convenient to buy and to carry. All these advantages are emphasised in the public advertising. Lil-lets are in good supply. Order from your usual wholesaler.

LIL-LETS SELL AT

The carton of 12 tampons
1/9

YOU BUY AT
per dozen cartons net **15/4**

Lil-lets
TRADE MARK

A PRODUCT OF

T. J. SMITH & NEPHEW, LTD., HULL
Makers of Elastoplast

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TRADE MARK

THE NEW ELECTRIC STERILIZER

Makes the Sterilization and Assembly of Syringes Safe and Foolproof.

PRICE
£5 - 15 - 0

Working Capacity
1 Pint....Boils
in 15 Minutes.
Overall
Dimensions 8 1/2"
High and
4 1/2" Dia-
meter of
Base.



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WESTFIELDS ROAD, LONDON, W.3
Name of Local Dealers on request

Sell **THE NEW DOMESTIC**
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SUNLAMPS

Now available and being advertised to the public. Write for illustrated leaflets, terms, and Medical Certificate blanks required for the sale of the new "MIX RAY" Infra-Red Ultra-Violet Sunlamp shown here.



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WHITE DRILL JACKETS, 4 coupons
3 Pockets Chest 34"-46" 9/11

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(Postage—one or two—7d.)

WOMEN'S OVERALLS, 3 coupons

Long Sleeves — White, Saxe,

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Wrap Over Style

SW W & WX OS & XOS

11/6 12/6 13/6

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(Postage—1 Coat, 7d.—2, 9d.)

All above shrunk.

(Carriage Paid on Orders of £2.)

GARDINER & CO. (THE SCOTCH) LTD.
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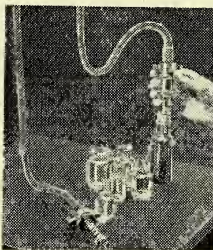
3 & 5 COMMERCIAL ROAD, LONDON, E.1

Post Office Aldgate East Station 'Phone: B18 0751 (2 lines)

Branches: DEPTFORD, S.E.8; WOLWICH, S.E.18

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The "Uni-Filler"



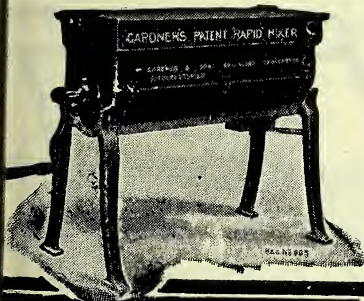
a simple, efficient
and inexpensive
filling unit for
cork stopper and
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Capable of high
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able for alcohol-
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The complete unit consists of a 7½ gal. or 5 gal.
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The BEST of all HAND MIXERS

Blends an ounce with a hundred-
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GARDNER'S
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'Rapid' MIXERS

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FINE CHEMICALS AND PHARMACEUTICALS

Made by
PHARMACEUTICAL LABORATORIES GEIGY LTD.
National Buildings, Parsonage
MANCHESTER, 3

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MEDICAL and DISPENSING
LABELS, TOILET, COSMETIC and
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LABELS (attractive two-colour 50-
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ENVELOPES and INNERS, also
SACCHARINE TABLET ENVEL-
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Send for our
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MATERIAL AND LABOUR SHORTAGE

For containers and display outers
and especially for shallow packs
our Patent carton with the clip
is unquestionably, in material
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DRUGGISTS SUNDRIES LONDON LIMITED
ESTABLISHED 1660



Now Appointed **SOLE** Distributors to
Pharmaceutical Trade for

JOSEPH LINGFORD'S PREPARATIONS

"KEEP FIT" HEALTH SALTS

TINS

4 oz. (5 fluid ozs.) 1/3 Inc. Tax.
8 oz. 2/- " "

	Under £3	Over £3	Over £5	Over £10
Per doz.	9/4	9/1	8/10	8/6
" "	15/-	14/7	14/2	13/8



Order Now to Ensure Supplies

To those who are desirous of placing orders now, for their Spring stock, we must give this warning—that while we will accept orders for any quantity of "Keep Fit" Health Salts, we cannot give an absolute guarantee of delivery, due to the restrictions placed on the supply of raw materials

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Enquiries invited from Home & Export Buyers
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Letterpress & Litho Cartons, Folding &
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* Messrs. Hardie Proprietary Agencies Ltd., of Manchester, are no longer our sole distributors in the North for our Pulv. Tragacanth & Karaya. We respectfully invite enquiries direct which will receive our best attention.

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FINEGANS
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The famous medicated Confections

- NOT ON POINTS
- RATIONED SUPPLIES

SOLE MANUFACTURERS
J. FINEGAN & SON
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English Filter

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Papers

SQUARES
CIRCLES
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WHITE
GREY
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ANTIQUE
EMBOSSED
CRINKLED

SAMPLES
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Postlip Filterings are stocked by all the leading Wholesale Laboratory Dealers

Evans, Adlard & Co. Ltd
Postlip Mills, Winchcombe, Cheltenham

7 in. DRESSING COMBS

BOARD OF TRADE CONTROLLED
WHOLESALE PRICE OF
£3-13-9 per gross tax paid. Retail 8'd.
Now offered at 5/9 below this price

NEW PRICE = **68/-** PER GROSS
TAX PAID
HIGHLY POLISHED (GROSS per BOX)

CASH BACK GUARANTEE IF DISSATISFIED

CASH WITH ORDER
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Your enquiries are invited for any raw material including the following: Menthol Crystals, natural and synthetic. Also liquid Menthol, synthetic. Aromatic chemicals and essential oils. Concentrated perfume bases. Glymol 1, an efficient replacement for glycerine (not just an aqueous solution of gum or cellulose derivatives). P.C.M.C. P.C.M.C. Adipic Acid. Beeswax. Bole Arm Borax. Boric Acid. Calamine. Diethyl phthalate. Dimethyl phthalate. Lanolin. Lethicin. Ozonite Wax. Petroleum Jelly, yellow. Potassium carbonate. Ricinoleic Acid. Saponine. Sodium percarbonate. Sodium ricinoleate. Stearic Sulphonated Castor Oil. Talc. Triethanolamine. Zinc Oxide. Liquid & Powder colours. emulsifying waxes, etc., etc. Write now 147/849, C. & D. Office.

ESMOREA CHEMICAL PRODUCTS LTD.
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Sole Distributors of "REQUEST"

LIPSTICKS - REFILLS - SHAMPOOS

have now received advance supplies of the new display carton for their Shampoos. These are printed in the "REQUEST" colours (Black and Cyclamen), hold 3 dozen Shampoos and will undoubtedly be a big attraction on the counter of any good class chemist or store. Enquiries are invited.

ALKYL BROMIDE
Ethyl-Propyl-Butyl-Amyl-Allyl
ex works

Talc MENTHOL Kieselguhr
importers

European Oil & Chemical Trading Co. Ltd.
5 Copthall Buildings, London, E.C.2

LIPSTICKS: (12 shades)	9/- doz.	plus 100%
LIPSTICK		
SCREW CASES:	17/- "	" "
LES: CARDED 1 dozen.	8/- per card	" "
Also 8" Professional size		
LADIES DRESSING 7½"	19/- doz.	" inc. tax
Barber type 7"	6/10 "	" "
Tail comb	6/2 "	" "
SHAMPOO: Assorted perfumes	19/- gall.	plus 33½%
Also 2 oz. bot.	8/- doz.	" "
ES: 2 dram. (assorted)	18/- "	" 100 "
ER: 2 dram. brush top	13/6 "	" NO TAX
EMOVER: 2 dram.	10/6 "	" "
ANTINE: (4 oz. assorted)	15/- "	plus 100%
C PENCILS:		
(In bakelite cases)	4/- doz.	NO TAX
(wrapped only)	1/4 "	" "
STICKS: (Carded)		
12 bundles of 6)	4/6 card	plus 100%
ERS: 3" (oblique or FLAT END)	6/6 doz.	" "
ER PUFFS: (CARDED & wrapped in cellophane)	9/6 "	" "
	12/- "	" "
	15/- "	" "
BLOCKS: (Wrapped in paper)	7/6 "	plus 33½%

AMBROSE LTD
New Kent Road, London, S.E.1

ADVANCE IN MUSTARD PRICES

February 3rd, 1947

REVISED CONSUMER PRICES:

½ lb. tins . . 2/1d.

¼ lb. tins . . 1/1d.

2 oz. tins . . . 7d.

3d. tins no change

J. & J. COLMAN
CARROW WORKS, NORWICH

KERODERM

BRAND OINTMENT

a new agent in
the treatment of
skin affections

NOW SUPPLIED TO THE CHEMIST TRADE
— THROUGH WHOLESALERS —

Following extensive clinical trials and successful wartime treatment of dermatitis in industry, KERODERM now offers the chemist, in a *new product*, valuable bio-chemical elements proved highly effective in the treatment of skin affections.

PRICES

TRADE 20/- per doz. tubes
(plus P.T. 16½%).

MEDICAL 2/4d. per tube
(including P.T.).

RETAIL 2/9 per tube
(including P.T.).



Advertised to the
MEDICAL
PROFESSION

MADE IN ENGLAND

full details from
SCIENTIFIC PHARMACALS LTD.,
INNOXA HOUSE,
BALLS POND ROAD, LONDON, N.1.

'Pharmitex'
PURE
TOILET TISSUE

is post war
quality and for
Chemists only.



HAROLD WESLEY LTD.
HARLEY MILLS, LONDON, N.W.10

It's no gamble to stock

TOWN TALK

—the Silver Polish which ensures regular customers to whom your other wares will also appeal

ORDER DIRECT OR FROM

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Size Standard	Retail 2/7	Cost 24/3 doz. p
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Minimum order 20 gross. Carriage Paid.

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"RODINE"
RAPID RAT REMOVER

Always in demand

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CHAMELEON

The perfect permanent hair colouring

Great increased supplies are now available to Chemists

Please send all enquiries and orders to the distributor to retail chemists:

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YOU OUGHT TO STOCK!

An excellent formula
—a striking pack
—a rapid seller
and steadily advertised.

3½d., 6½d., 1/5 and 2/6 Incl. P. Tax

prompt delivery from all wholesalers or direct from

SPLENDOR LTD.

LONDON and NOTTINGHAM

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DOUBLE POWER
TABLETS

REALLY STOP PAIN

MAKE EXTRA SALES & PROFITS

ATTACHED CLEANING PAD
IN NECK OF BOTTLE
ALWAYS READY FOR USE



DABitoff, the home dry cleaner, is non-inflammable, chemical because the pad prevents spilling and waste, will last the whole bottle. Retail at 1/9. National advertising reaches millions. Attractive new displays make big sales. GROSS PROFIT ON EACH BOTTLE IS SEVENPENCE.

DABitoff DRY CLEANER



MO-PLASTICS LTD. 59/60 Old Bailey, E.C.4

Sole Distributors:

S. CHRISTY & CO. LTD., FARNHAM, SURREY

**ANONA
WINN**

FAMOUS STAGE AND RADIO
STAR IS APPEARING IN 132
MILLION ADVERTISEMENTS
FOR 'AURORAL' AND 'WINNER'
DYES DURING 1947

AURORAL
Cold Water Dyes
48/- GROSS
WINNER
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24/- GROSS

LESS 5% FOR
CASH IN 7
DAYS

WHITAKERS OF KENDAL

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THE WORLD'S
LARGEST-SELLING
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Now in prompt Supply



The

Quality Brand
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SELKA LTD.

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Factory: - TRADING ESTATE, SLOUGH, BUCKS

*A reputation
for reliability . . .*

"Sentinel"
ALL COTTON WOOL

SANI-TOWELS

"with the soft seamless knitted covering"

SIZES 1, 2, 3 AND MATERNITY

also

'KUMFEX' SOLUBLE

(all with loop ends)

★ *Supplies unfortunately restricted at present*
SPLENDOR LTD. Nottingham & London



THAT MEANS

Yestamin
VITAMIN YEAS

IN TABLETS Vitamin B1, 30 I.U. per gram. Riboflavin,
65 mcgs. per gram. Niacin, 455 mcgs. per gram.

1/1½ ER 100 ★ 3/- PER 30

TRADE TERMS

Bottles of 100 Tablets: Retail at 1/1½; 9/-
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24/- per dozen. Less 5% cash in 14 days. Win-
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**When the Shelves
are full again . . .**

See to it that your goods "pack
Sales-punch." When the customer
once again has freedom of choice
ensure success by specifying

... SIDAC

CELLULON

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Send your enquiries to:—

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**"EKEM" LIQUID VACUUM
FILLING MACHINE**

Rapidly fills:

BOTTLES, TINS, CONTAINERS.

COMPLETE £67 FROM STOCK

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WATCH YOUR ASPRO STOCKS

Record Sales are on the way!

Winter conditions are sending the demand for 'ASPRO' racing up. Stocks that seemed adequate are melting away like snow. As you know, post-war transport conditions are not perfect—they can easily delay wholesalers in rushing supplies through against emergency orders. So we suggest you make sure your stocks are sufficient to meet all eventualities. Remember,

'ASPRO'

means BUSINESS!

A great post-war advertising campaign is already under way. The 'ASPRO' message will be pressed home everywhere—helping you sell 'ASPRO'—winning you new customers—speeding up sales in your other lines as well. The new 'ASPRO' plastic show-cards are now available to all. They make a striking display feature both on the counter and in the window. Write and we will send them by return.

ATA

Made in England by
ASPRO LIMITED, SLOUGH, BUCKS

ASPRO
TRADE MARK



**Known
on both
sides of
the
counter**

TO both the chemist and his customers Serocalcin is now well-known, not only for the prevention but also for the treatment of colds. The demand at present is very great and every indication points to its continuing and increasing throughout the winter.

Your co-operation is sought in ordering your supplies. We are most anxious to give you good delivery service but, under present conditions, there may be unavoidable delays. So please look ahead and place your orders so that we have a margin of time in which to execute them.

SEROCALCIN

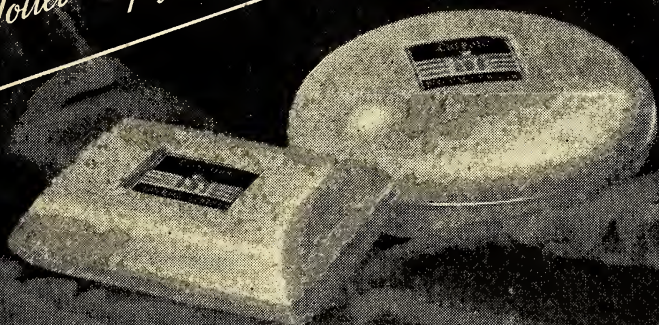
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FOR THE PREVENTION & TREATMENT OF COLDS

HARWOODS LABORATORIES LIMITED
WATFORD, HERTS

Phone WATFORD

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Toilet Soap for the discriminating



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**Cussons
 triumph**

When Cussons first introduced Imperial Leather Toilet Soap to meet the requirements of the most discriminating section of the public, it was not realised that this quality market was so extensive. The widespread popularity of Imperial Leather achieved in so short a time and under conditions of supply difficulty and general scarcity has shown that there is almost no limit to the demand for anything supremely good.

The other Imperial Leather lines—Toilet Powder, Shaving Soap, and Brilliantine—are parallel successes.

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